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SUMMARIES

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FOREWORD

The U.S. Environmental Protection Agency, under a series of documents exchanges with foreign governments and international organizations, is collecting environmental reports from around the world. This publication, a monthly announcement of documents received by EPA under the exchanges, is distributed to EPA staff and is available to others through the National Technical Information Service (NTIS). See inside cover for subscription rates.

Index System

In each issue the document summaries are grouped by subject, by category of document, and by country. Subject areas, which reflect EPA programs, include:

air	pesticides
water	toxic substances
noise	radiation
solid wastes	land use

Categories of documents are:

1. general
2. legal/legislative/regulatory (LR)
3. planning/management/organization (PM)
4. scientific/technical (ST)
5. socio/economic (SE)

Summaries covering more than one subject are cross-referenced in the Table of Contents. Abstracts appear only once, however, under the primary subject heading marked by an asterisk. For example a British report on "Disposal of Awkward Household Wastes" is indexed under pesticides, solid wastes, water, and toxic substances. The summary appears only once, under solid wastes, but the report title is listed with the EPA ID number under each of the other headings.

Explanation of the codes and abbreviations used with each summary is on page ii.

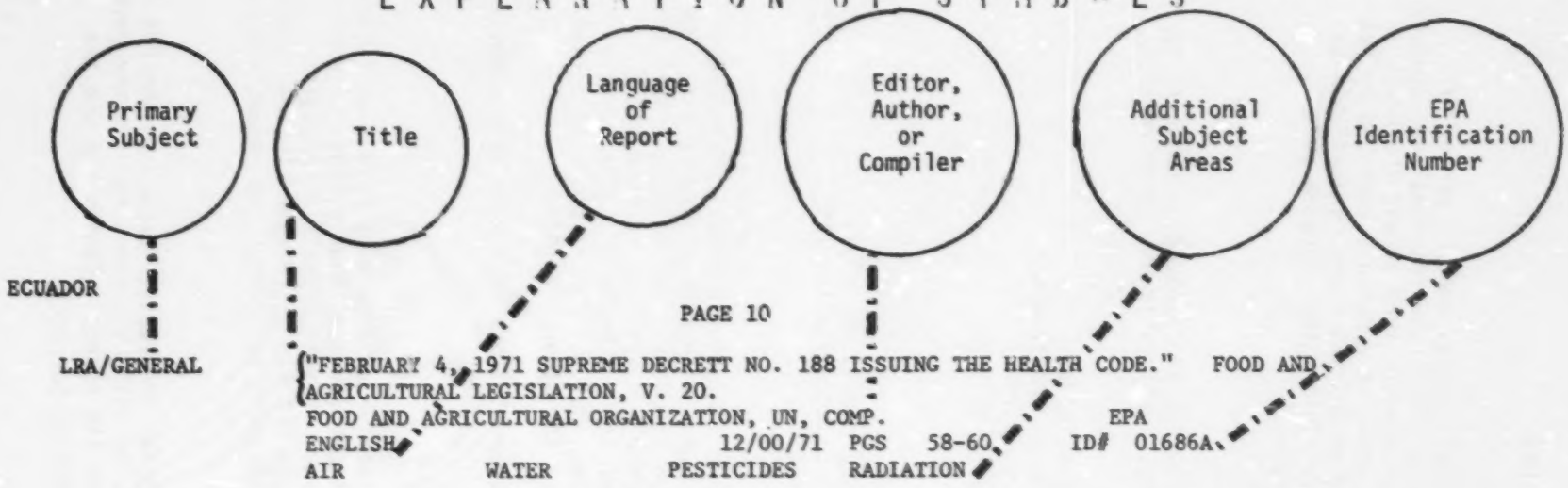
Translations

EPA staff may request more extensive abstracts or full text translations. EPA Form 1350-1, Translations Services Requisition, is used to order translations through the Library Systems Branch. Translation services, which are available only to EPA staff are expensive and should be requested only when essential. Payment is made by the requesting office.

Source Documents

EPA staff may request the original documents, located in the EPA Headquarters Library in Washington, by using the order form in the back. The documents are not loaned outside the Agency. Others may use the collection at Headquarters for reference purposes.

EXPLANATION OF SYMBOLS



THIS COMPREHENSIVE HEALTH DECREE ASSIGNS TO THE EXECUTIVE, ACTING THROUGH THE MINISTRY OF PUBLIC HEALTH, RESPONSIBILITIES IN THE POLITICAL, SOCIAL, AND ECONOMIC SPHERES AS REGARDS PUBLIC HEALTH AND THE ENVIRONMENT AND TO THE NATIONAL HEALTH DIRECTORATE RESPONSIBILITIES IN THE TECHNICAL AND ADMINISTRATIVE SPHERE AND IN THE FORMULATION OF DIRECTIVES AND IN ENFORCEMENT AND EVALUATION.

LRA - LEGAL TEXT

LRB - LEGAL COMMENTARY

Each original law has the letter A following the EPA identification number. Additional directly related legislation will have the same identification number and a subsequent alphabetical letter.

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AUSTRIA

LUFTVERUNREINIGUNG - IMMISSIONSMESSUNG. RICHTLINIE 1 - RICHTLINIE 2 (AIR POLLUTION - AMBIENT AIR QUALITY MEASUREMENT. GUIDELINE 1 - GUIDELINE 2)
AUSTRIA. MINISTRY FOR HEALTH/ENVIRONMENTAL PROTECTION EPA
PM(B) GERMAN 00/00/75 PGS 1-45 ID# 03520A
ALSO ST

THE GUIDELINES PRESENTED IN THIS BOOKLET, PUBLISHED BY THE AUSTRIAN FEDERAL MINISTRY FOR HEALTH AND ENVIRONMENTAL PROTECTION, WERE DEVELOPED BY THE SCIENTIFIC ADVISORY COUNCIL FOR ENVIRONMENTAL HYGIENE WITHIN THE MINISTRY, WITH THE HELP OF OTHER EXPERT GROUPS. GUIDELINE 1 CONTAINS SUGGESTIONS FOR A FEDERALLY UNIFORM STORAGE OF DATA ON IMPORTANT AIR POLLUTING SUBSTANCES AND ON SIGNIFICANT METEOROLOGICAL AND TRAFFIC CONDITIONS. GUIDELINE 2 CONTAINS A MINIMAL PROGRAM FOR SULFUR DIOXIDE MEASUREMENTS TAKEN BY CONTINUALLY OPERATING MEASURING DEVICES. THE APPENDIX TO GUIDELINE 2 CONTAINS INFORMATION ABOUT FORTRAN IV AND A COMPUTER PROGRAM FOR DATA STORAGE. SAMPLE DATA STORAGE SHEETS ARE INCLUDED. THESE GUIDELINES ARE PART OF THE MINISTRY'S PROGRAM TO PROMOTE UNIFORMITY OF AIR POLLUTION DATA AND ITS EVALUATION IN AUSTRIA.

CANADA

"PROPOSED NATIONAL EMISSION STANDARD REGULATIONS FOR ASBESTOS MINING AND MILLING." CANADA GAZETTE, PART I, DECEMBER 13, 1975
EPA
LR(A) ENGLISH* 12/13/75 PGS 5336-40 ID# 00356F
*ALSO FRENCH

PROPOSED REGULATIONS PURSUANT TO SUBSECTION 7(1) OF THE CANADIAN CLEAN AIR ACT PRESCRIBE THAT THE MAXIMUM CONCENTRATION OF ASBESTOS FIBERS THAT MAY BE EMITTED INTO THE AMBIENT AIR FROM THE OPERATION OF ASBESTOS MINES AND MILLS MAY NOT EXCEED TWO ASBESTOS FIBERS PER CUBIC CENTIMETER, MEASURED IN ACCORDANCE WITH THE STANDARD TESTING METHOD OR OTHER TESTING METHODS APPROVED BY THE DEPARTMENT OF THE ENVIRONMENT. AN INTRODUCTION TO THESE PROPOSED REGULATIONS EXPLAINS THE BACKGROUND AND OTHER FACTORS LEADING TO THE FORMULATION OF THE REGULATIONS, AND THE TEXT OF THE REGULATIONS CONTAINS SECTIONS ON THE APPLICATION OF THE ASBESTOS FIBER EMISSION STANDARD, THE TEMPORARY SUSPENSION OF THE STANDARD IN CASE OF MALFUNCTION OR BREAKDOWN OF EQUIPMENT, EMISSION TESTING AND EMISSION TESTING WAIVERS, AND THE KEEPING OF RECORDS ON EMISSION TESTING AND MALFUNCTIONS OR BREAKDOWNS IN ACCORDANCE WITH THE FORMS PROMULGATED IN SCHEDULES I AND II TO THE REGULATIONS.

CANADA

THE CLEAN AIR ACT - REGULATIONS AND GUIDELINES COMPILATION 1
CANADA. ENVIRONMENT CANADA EPA
LR(A) ENGLISH* 09/00/75 PGS 1-29 ID# 00356G
*ALSO FRENCH

REGULATIONS AND GUIDELINES ISSUED PURSUANT TO THE CANADA CLEAN AIR ACT ARE COLLECTED IN THIS COMPILATION AND INCLUDE THE FOLLOWING: AMBIENT AIR QUALITY OBJECTIVES FOR SULFUR DIOXIDE, SUSPENDED PARTICULATE MATTER, CARBON MONOXIDE AND OXIDANTS (OZONE); AMBIENT AIR QUALITY OBJECTIVES FOR NITROGEN DIOXIDE; LEAD-FREE GASOLINE REGULATIONS; LEADED GASOLINE REGULATIONS WITH AMENDMENT; CEMENT INDUSTRY NATIONAL EMISSION GUIDELINES; ASPHALT PAVING INDUSTRY NATIONAL EMISSION GUIDELINES; AND METALLURGICAL COKE MANUFACTURING INDUSTRY NATIONAL EMISSION GUIDELINES. REGULATIONS AND GUIDELINES ARE REPRINTED IN THE SAME FORMAT IN WHICH THEY ORIGINALLY APPEAR IN THE CANADA GAZETTE WITH THE APPROPRIATE ISSUE NUMBER AND DATE OF EACH.

CANADA

A LOOK AT THE ECONOMIC FEASIBILITY OF CONVERTING WOOD INTO LIQUID FUEL.
INFORMATION REPORT E-X-25
MARSHALL, J.E., AND OTHERS EPA
SE( ) ENGLISH 02/00/75 PGS 1-47 ID# 03510A
ALSO ST

BECAUSE OF THE INCREASE IN WORLD CRUDE OIL PRICES AND THE EMPHASIS ON LESS POLLUTING FUELS, THE ECONOMIC FEASIBILITY OF MANUFACTURING FUEL ALCOHOL FROM WOOD NOW APPEARS PROMISING. THIS INFORMATION REPORT ISSUED BY THE POLICY, ANALYSIS AND PROGRAM DEVELOPMENT BRANCH OF THE CANADIAN FORESTRY SERVICE EXAMINES THE TECHNICAL AND ENVIRONMENTAL ADVANTAGES OF FUEL ALCOHOLS OVER GASOLINE AND LOOKS AT THE ECONOMIC FEASIBILITY OF AT LEAST SUPPLEMENTING CANADIAN FUEL OIL SUPPLY BY INCREASING THE SUPPLY OF FUEL ALCOHOL PRODUCED DOMESTICALLY. CANADA CURRENTLY CONSUMES ABOUT 600 MILLION BARRELS OF PETROLEUM ANNUALLY. THE ESTIMATED 19 BILLION CUBIC FEET OF UNUSED WOOD AND WOOD RESIDUES PRODUCED ANNUALLY IN THE CANADIAN FORESTRY INDUSTRY COULD PRODUCE 800 MILLION BARRELS OF FUEL ALCOHOL, EQUAL IN ENERGY TERMS TO 500 MILLION BARRELS OF GASOLINE AND REPRESENTING A MORE EFFICIENT AND CLEANER SOURCE OF FUEL. PRODUCTION COSTS OF FUEL ALCOHOL WOULD BE 25-30 PERCENT LOWER THAN FOR GASOLINE BUT 20-40 PERCENT HIGHER ON A PER B.T.U. OF ENERGY BASIS.

CANADA

AIR POLLUTION EMISSIONS AND CONTROL TECHNOLOGY. ASPHALT PAVING INDUSTRY.
ECONOMIC AND TECHNICAL REVIEW REPORT WPS 3-AP-74-2
ROBERT, J., AND OTHERS EPA
ST( ) ENGLISH 04/00/75 PGS 1-38 ID# 03504A
ALSO PMB

PREPARED BY THE CANADIAN AIR POLLUTION CONTROL DIRECTORATE, THIS ECONOMIC AND TECHNICAL REVIEW REPORT EXAMINES THE PRESENT AND FUTURE CONTRIBUTIONS TO AIR POLLUTION CONTROL BY THE CANADIAN HOT-MIX ASPHALT INDUSTRY AND DISCUSSES THE EQUIPMENT AND TECHNOLOGY AVAILABLE TO CONTROL THESE AIR POLLUTION EMISSIONS. THERE ARE 357 REPORTED ASPHALT PLANTS IN CANADA AND THEIR ANNUAL PRODUCTION IN 1972 WAS 14.5 MILLION TONS OF ASPHALT. PARTICULATE EMISSIONS ARE THE LARGEST AIR POLLUTANT ASSOCIATED WITH THE INDUSTRY, AMOUNTING TO MORE THAN 60,000 TONS PER YEAR. METHODS FOR CONTROLLING THESE EMISSIONS AND THE AVAILABILITY, PERFORMANCE AND COSTS OF POLLUTION CONTROL EQUIPMENT FOR THE INDUSTRY ARE DISCUSSED IN DETAIL AND ILLUSTRATED BY SEVERAL FIGURES AND TABLES.

AIR

CANADA

AIR POLLUTION EMISSIONS AND CONTROL TECHNOLOGY. SECONDARY LEAD SMELTER AND ALLIED INDUSTRIES. ECONOMIC AND TECHNICAL REVIEW REPORT EPS 3-AP-75-3
HAVELOCK, VICTOR C.
EPA
ST( ) ENGLISH 07/00/75 PGS 1-30 ID# 03506A
ALSO LRB

PREPARED BY THE CANADIAN AIR POLLUTION CONTROL DIRECTORATE, THIS ECONOMIC AND TECHNICAL REVIEW REPORT EVALUATES THE CONTRIBUTION TO AIR POLLUTION CONTROL BY THE CANADIAN SECONDARY LEAD SMELTER AND ALLIED INDUSTRIES IN 1970. SECONDARY LEAD MANUFACTURING IS DEFINED AND CANADIAN OPERATIONS ARE REVIEWED WITH RESPECT TO SIZE, LOCATION, PRODUCTS AND EMISSIONS AS ILLUSTRATED BY SEVERAL FIGURES AND TABLES. CONTROL TECHNOLOGY IS DISCUSSED AND ITS POTENTIAL FOR EMISSION REDUCTION IS ESTIMATED. THE REPORT SERVES TO PROVIDE BACKGROUND INFORMATION FOR USE IN THE ESTABLISHMENT OF NATIONAL EMISSION STANDARD REGULATIONS FOR THE CANADIAN SECONDARY LEAD SMELTING INDUSTRY.

CANADA

ATMOSPHERIC ENVIRONMENT SERVICE. MONTHLY BULLETIN OF CANADIAN UPPER AIR DATA
CANADA. ATMOSPHERIC ENVIRONMENT SERVICE
EPA
ST( ) ENGLISH* 00/00/00 PGS ID# 03517A
ALSO PMB/*ALSO FRENCH

FIRST APPEARING IN 1959, THE MONTHLY BULLETIN FOR CANADIAN UPPER AIR DATA, PUBLISHED BY THE CANADIAN ATMOSPHERIC ENVIRONMENT SERVICE, PROVIDES DAILY VALUES AND MONTHLY MEANS OF CHECKED DATA OBTAINED FROM THE RAWINSONDE ASCENTS AT CANADIAN STATIONS. THE TABLES OF READINGS CONTAINED IN THE TEXT OF THE BULLETIN ARE ARRANGED IN THE FORMAT RECOMMENDED BY THE WORLD METEOROLOGICAL ORGANIZATION AND ARE PRESENTED IN ALPHABETICAL ORDER ACCORDING TO THE NAME OF THE STATION WHERE THE MEASUREMENTS WERE TAKEN. INTRODUCTORY MATERIAL TO EACH ISSUE OF THE BULLETIN EXPLAINS THE SYMBOLS, CODES AND UNITS USED IN THE TABLES. EACH JANUARY ISSUE CONTAINS ADDITIONAL INFORMATION ON THE PUBLICATION OF THE BULLETIN, EXISTING SUPPLEMENTS, PROCESSING OF DATA FOR THE BULLETIN, LOCATION AND DESCRIPTION OF MEASURING STATIONS, AND OTHER EXPLANATORY NOTES.

CANADA

STANDARD REFERENCE METHODS FOR SOURCE TESTING: MEASUREMENT OF EMISSIONS OF SULFUR DIOXIDE FROM STATIONARY SOURCES
CANADA. ENVIRONMENT CANADA
EPA
ST( ) ENGLISH* 09/00/75 PGS 1-8 ID# 03542A
*ALSO FRENCH

THE METHOD FOR MEASURING THE EMISSIONS OF SULFUR DIOXIDE FROM STATIONARY SOURCES IS DESCRIBED IN THIS REPORT. THIS METHOD, USED IN CONJUNCTION WITH REPORT 1-AP-74-1 OF THE CANADIAN ENVIRONMENTAL PROTECTION SERVICE, WORKS ON THE PRINCIPLE OF EXTRACTING A GAS SAMPLE FROM A POINT NEAR THE CENTER OF THE STACK, AND THE APPROPRIATE RANGE AND SENSITIVITY REFERENCES, INTERFERENCES, APPARATUS, REAGENTS, PROCEDURES AND CALCULATIONS ARE PRESCRIBED. FIGURES 1 AND 2 OF THE REPORT GIVE THE SULFUR DIOXIDE SAMPLING TRAIN AND A SAMPLE SULFUR DIOXIDE FIELD DATA SHEET. THE APPLICATION OF THE METHOD TO A SPECIFIC SOURCE WILL BE PRESCRIBED IN GUIDELINES AND REGULATIONS APPLICABLE TO THE SOURCE.

COSTA RICA "JULY 23, 1973 DECREE NO. 5287 REFORMING ARTICLE 413 OF THE PENAL CODE." LA GACETA - DIARIO OFICIAL, NO. 158, 1973

LR(A) SPANISH 08/24/73 PGS 1 EPA ID# 03485A
GENERAL

THIS DECREE, APPROVED BY THE LEGISLATIVE ASSEMBLY OF COSTA RICA, AMENDS ARTICLE 413 OF COSTA RICA'S PENAL CODE TO READ AS FOLLOWS: "A PENALTY OF 15 TO 30 DAYS WILL BE IMPOSED ON INDUSTRIALISTS OR ENTREPRENEURS WHO DO NOT ADOPT THE APPROPRIATE MEANS TO PREVENT THE EMISSIONS OF SMOKE, VAPORS OR GASES THAT COULD CAUSE PUBLIC NUISANCE OR BE HARMFUL TO PUBLIC HEALTH, OR WHO DO NOT TAKE MEASURES TO PROPERLY ELIMINATE WASTES THAT COULD CAUSE ENVIRONMENTAL POLLUTION. THE SAME PENALTY WILL BE IMPOSED ON THE OWNERS OR OCCUPIERS OF MOTOR VEHICLES WHICH PRODUCE EMISSIONS OF CARBON MONOXIDE, SMOKE OR OTHER SOURCES OF AIR POLLUTION WHICH CAUSE PUBLIC NUISANCES OR DANGER TO HEALTH." (THE PENAL CODE OF COSTA RICA WAS ORIGINALLY PROMULGATED BY DECREE NO. 4573 OF MAY 4, 1970).

EUROPEAN COMMUNITIES "PROPOSAL FOR A COUNCIL DIRECTIVE ON THE USE OF FUEL-OILS." OFFICIAL JOURNAL OF THE EUROPEAN COMMUNITIES, VOL. 19, NO. C 54

LR(A) ENGLISH 03/08/76 PGS 79-84 EPA ID# 03536A

THIS EUROPEAN COMMUNITIES COMMISSION PROPOSAL ON THE USE OF FUEL-OILS WITH THE AIM OF DECREASING SULFUROUS EMISSIONS WOULD REQUEST MEMBER STATES TO DESIGNATE ZONES NEEDING SPECIAL PROTECTION FROM SULFUR DIOXIDE AND SUSPENDED PARTICULATES ON THE BASIS OF CRITERIA SET OUT IN ANNEX I. THE PROPOSAL WOULD THEN REQUIRE THE USE OF LOW-SULFUR CONTENT FUEL OIL IN THESE ZONES AND WOULD SET A LIMIT ON THE LEVEL OF SULFUR COMPOUNDS PRESENT IN SUCH FUELS SOLD IN THE COMMUNITY. FUEL-OIL WOULD ONLY BE CLASSED AS HAVING LOW-SULFUR CONTENT IF IT CONTAINED NO MORE THAN 2 PERCENT SULFUR BY WEIGHT FROM JUNE 1, 1978 AND 1 PERCENT BY JUNE 1, 1983. MEMBER STATES WOULD BE RESPONSIBLE FOR VERIFYING THE USE OF LOW-SULFUR CONTENT FUEL ACCORDING TO METHODS SET DOWN IN ANNEX II.

FRANCE "AUGUST 7, 1973 CIRCULAR CONCERNING SUGAR MILLS, SUGAR-BEET FACTORIES, AND SUGAR-BEET DISTILLERIES AND REFINERIES." JOURNAL OFFICIEL

LR(A) FRENCH 09/29/73 PGS 10551-57 EPA ID# 00379Q
WATER NOISE

THIS CIRCULAR IS ADDRESSED BY THE MINISTER RESPONSIBLE FOR THE PROTECTION OF NATURE AND THE ENVIRONMENT TO THE PREFECTS CONCERNED. IT ESTABLISHES, IN AN ANNEX, THE TECHNICAL RULES FOR THE LAY OUT AND OPERATION OF SUGAR MILLS, SUGAR-BEET FACTORIES, AND SUGAR-BEET DISTILLERIES AND REFINERIES, DESIGNED TO ENSURE THE PREVENTION OF AIR AND WATER POLLUTION; THE PROTECTION OF PUBLIC SEWAGE SYSTEMS; AND THE PREVENTION OF NOISE.

FRANCE "JANUARY 16, 1975 ORDER CONCERNING EMISSIONS OF GASEOUS POLLUTANTS BY THE PETROL ENGINES OF VEHICLES." JOURNAL OFFICIEL

LR(A) FRENCH 02/25/75 PGS 2229-30 EPA ID# 00379S

THIS ORDER REPEALS THE ORDER OF JUNE 30, 1970 ON THE SAME SUBJECT. IT CONTAINS VARIOUS PROVISIONS APPLICABLE TO THE INSPECTION OF VEHICLES FROM THE STANDPOINT OF EMISSIONS OF GASEOUS POLLUTANTS BY PETROL ENGINES. INSPECTIONS ARE TO ENSURE ACCEPTABLE CARBON MONOXIDE EMISSIONS AND TO VERIFY CRANKCASE-GAS EMISSIONS.

FRANCE "FEBRUARY 5, 1975 INTERMINISTERIAL ORDER ON THE MINIMUM EFFICIENCY OF FUEL-BURNING HEAT-GENERATING INSTALLATIONS." JOURNAL OFFICIEL

LR(A) FRENCH 02/18/75 PGS 2008-09 EPA ID# 02059C

THIS ORDER HAS BEEN MADE IN PURSUANCE OF, INTER ALIA, DECREE NO. 74-415 OF MARCH 13, 1974 ON THE CONTROL OF POLLUTING EMISSIONS INTO THE ATMOSPHERE AND CERTAIN USES OF THERMAL ENERGY. THE ORDER PRESCRIBES THE MINIMUM EFFICIENCY LEVELS FOR ALL STATIONARY BOILER INSTALLATIONS BURNING LIQUID, GASEOUS, OR SOLID MINERAL FUELS (INDUSTRIAL FURNANCES, FLARES, RESIDUE TREATMENT PLANTS AND INDEPENDENT APPLICANCES SUCH AS STOVES AND COOKERS ARE, IN PARTICULAR, EXCLUDED).

GERMANY, FED REP OF "EMISSION CONTROL IN LEAD SMELTING PLANTS (DRAFT) VDI 2285." ENVIRONMENT CANADA TRANSLATION OCENV TR-927

PM(B) ENGLISH 00/00/75 PGS 1-47 EPA ID# 03501A
ALSO LRB AND ST

THIS PUBLICATION, EXTRACTED FROM THE HANDBOOK OF AIR POLLUTION CONTROL OF THE GERMAN ASSOCIATION OF ENGINEERS (1970), CONTAINS THE GUIDELINES PROMOTED BY THE ASSOCIATION CONCERNING THE REDUCTION OF DUST AND SULFUR DIOXIDE EMISSIONS FROM CURRENT LEAD EXTRACTION PROCESSES. THESE GUIDELINES DESCRIBE THOSE PARTS OF LEAD SMELTING PLANTS AND PROCESSES WHICH PRODUCE FLUE DUST AND SULFUR DIOXIDE, POINT OUT MEASURES TO REDUCE EMISSIONS OF DUST AND SULFUR DIOXIDE, SUGGEST THE SELECTION AND MAINTENANCE OF SUITABLE DUST REMOVAL SYSTEMS, AND SPECIFY RECOMMENDED VALUES FOR DUST AND SULFUR DIOXIDE EMISSIONS FOR NEW PLANTS IN ACCORDANCE WITH THE LATEST TECHNOLOGICAL STANDARDS.

GREAT BRITAIN

AIR POLLUTION CONTROL: AN INTEGRATED APPROACH
GREAT BRITAIN. ROYAL COMMISSION ON ENVIRONMENTAL POLLUTION EPA
PM(A) ENGLISH 01/00/76 PGS 1-130 ID# 03498A
ALSO PMB

THIS FIFTH REPORT OF THE ROYAL COMMISSION ON ENVIRONMENTAL POLLUTION REVIEWS THE EFFECTIVENESS OF MEASURES TO CONTROL DOMESTIC AND INDUSTRIAL AIR POLLUTION IN GREAT BRITAIN AND COMPARES THE RESPONSIBILITIES OF AUTHORITIES AT VARIOUS LEVELS. FOR THE CONTROL OF ALL POLLUTION PROBLEMS ORIGINATING IN INDUSTRY, THE COMMISSION RECOMMENDS ESTABLISHMENT OF A NEW CENTRAL INSPECTORATE TO BE CALLED HER MAJESTY'S POLLUTION CONTROL INSPECTORATE (HMPI). HMPI WOULD HAVE DUTIES SUPPLEMENTING THOSE OF LOCAL WATER AND SOLID WASTE AUTHORITIES. THE COMMISSION ENDORSES CONTINUATION OF THE "BEST PRACTICABLE MEANS" STRATEGY OF CLEANING UP AIR POLLUTION IN INDUSTRY BUT RECOMMENDS DEVELOPMENT OF NON-MANDATORY AIR QUALITY GUIDELINES AS WELL. AMONG THE REPORT'S TWELVE CHAPTERS ARE THOSE DISCUSSING DOMESTIC SMOKE CONTROL, INDUSTRIAL AIR POLLUTION CONTROL SYSTEMS, MONITORING AND RESEARCH, AND PLANNING AND POLLUTION. THE LAST CHAPTER CONTAINS SUMMARIES FOR EACH OF THE PRECEDING CHAPTERS.

INTERNATIONAL

OZONE DATA FOR THE WORLD
CANADA. ATMOSPHERIC ENVIRONMENT SERVICE EPA
ST( ) ENGLISH 00/00/00 PGS ID# 03512A

IN ACCORDANCE WITH RESOLUTIONS AND INSTRUCTIONS OF THE WORLD METEROLOGICAL ORGANIZATION, THIS ONGOING PUBLICATION, ISSUED BIMONTHLY BY THE CANADIAN ATMOSPHERIC ENVIRONMENT SERVICE, PROVIDES A CENTRALLY COMPILED TABULATION OF ATMOSPHERIC OZONE DATA RECEIVED FROM COUNTRIES WHERE OZONE OBSERVATIONS HAVE BEEN CARRIED OUT. A SUPPLEMENTAL CATALOGUE OF OZONE STATIONS AND OZONE DATA IS PUBLISHED ANNUALLY AS AN INDEX TO THE BIMONTHLY ISSUES. INTRODUCTORY MATERIAL IN EACH ISSUE DEFINES TERMS AND METHODS USED IN THE ARRANGEMENT OF COLLECTED DATA, AND THE TEXT OF THE PUBLICATION CONSISTS OF TOTAL OZONE TABLES, UMKEHR OBSERVATION TABLES, TABLES OF VERTICAL DISTRIBUTION OF OZONE FROM UMKEHR OBSERVATIONS AND TABLES OF VERTICAL DISTRIBUTION OF OZONE FROM OZONESONDE OBSERVATIONS.

GENERAL

ARGENTINA

"JUNE 14, 1973 DECREE NO. 253 ON THE CREATION OF THE NATIONAL HEALTH COUNCIL." ANALES DE LEGISLACION ARGENTINA, VOL. 33-C, 1973
EPA
LR(A) SPANISH 00/00/74 PGS 3212-3213 ID# 03491A

FIRST APPEARING IN THE ARGENTINE BOLETIN OFICIAL OF JUNE 27, 1973, THIS DECREE CREATES THE NATIONAL HEALTH COUNCIL OF ARGENTINA, WHOSE DUTIES ARE THE TECHNICAL, FINANCIAL AND ADMINISTRATIVE OPERATION OF A NATIONAL HEALTH PROGRAM AND THE EVALUATION OF PUBLIC HEALTH RELATED ACTIVITIES THROUGHOUT THE COUNTRY. HOUSED WITHIN THE SUBSECRETARIAT OF PUBLIC HEALTH OF THE MINISTRY OF SOCIAL WELFARE, THE COUNCIL INCLUDES AMONG ITS MEMBERS THE SUBSECRETARY OF PUBLIC HEALTH AS COUNCIL PRESIDENT, THE SUBSECRETARY OF SOCIAL SECURITY, AND REPRESENTATIVES FROM: THE GENERAL CONFEDERATIONS OF LABOR AND ECONOMY, THE CONFEDERATION OF MEDICINE, THE CITY OF BUENOS AIRES, THE MINISTRY OF CULTURE AND EDUCATION, AND EACH OF THE NATIONAL HEALTH REGIONS OF THE COUNTRY. AN INCREASE IN SIZE OF THE COUNCIL MAY BE EFFECTED BY RESOLUTION OF THE MINISTER OF SOCIAL WELFARE.

ARGENTINA "FEBRUARY 21, 1972 DECREE NO. 937 ON THE CREATION OF THE NATIONAL COMMISSION FOR THE MAN AND THE BIOSPHERE PROGRAM." ANALES DE LEGISLACION ARGENTINA, VOL. 32-A, 1972

EPA

LR(A) SPANISH 00/00/73 PGS 414-415 ID# 03492A

THIS DECREE PROVIDES FOR THE CREATION OF AN ARGENTINE NATIONAL COMMISSION FOR THE MAN AND THE BIOSPHERE PROGRAM. HOUSED WITHIN THE SECRETARIAT OF PLANNING AND GOVERNMENT ACTIVITY, THE COMMISSION IS TO ACT AS AN ADVISORY AND COORDINATING ORGAN IN ALL MATTERS PERTAINING TO THE MAN AND THE BIOSPHERE PROGRAM. ITS FUNCTIONS INCLUDE: THE COLLECTION OF SCIENTIFIC INFORMATION CONCERNING THE PROGRAM, EVALUATION OF RESEARCH PROPOSALS FOR THE PROGRAM, ADVISING ON PROGRAM PRIORITIES, ELABORATION OF ARGENTINA PARTICIPATION IN THE PROGRAM ON THE INTERNATIONAL LEVEL, AND THE EVALUATION AND COORDINATION OF FINANCIAL AND TECHNICAL AID FOR THE REALIZATION OF THE PROGRAM. THE APPOINTMENT OF OFFICIALS TO THE COMMISSION IS HONORARY, OTHER PUBLIC ADMINISTRATIVE DUTIES OF THE APPOINTED OFFICIALS NOT BEING AFFECTED. THE FUNCTIONS OF INTERNAL COORDINATION AND COOPERATION WITHIN THE COMMISSION ARE PERFORMED BY THE SUBSECRETARY OF SCIENCE AND TECHNOLOGY.

ARGENTINA "NOVEMBER 20, 1973 DECREE NO. 339 ON THE CREATION OF SECRETARIATS AND SUBSECRETARIATS WITHIN THE MINISTRY OF SOCIAL WELFARE." ANALES DE LEGISLACION ARGENTINA, VOL. 33-D

EPA

LR(A) SPANISH 00/00/74 PGS 3831-36 ID# 03493A
ALSO PHA

THIS DECREE, FIRST APPEARING IN THE ARGENTINE BOLETIN OFICIAL OF NOVEMBER 22, 1973, CREATES AND DELINEATES THE FUNCTIONS OF THE FOLLOWING SECRETARIATS OF STATE UNDER THE ARGENTINE MINISTRY OF SOCIAL WELFARE: COORDINATION AND SOCIAL PROMOTION; PUBLIC HEALTH; SOCIAL SECURITY; SPORTS AND TOURISM; HOUSING AND URBAN AFFAIRS; AND YOUTH AND THE FAMILY. THESE SECRETARIATS ARE RESPONSIBLE FOR THE FORMULATION OF NATIONAL POLICIES, PLANS AND PROGRAMS ON MATTERS UNDER THEIR RESPECTIVE JURISDICTIONS. MATTERS OF ENVIRONMENTAL INTEREST ARE RESPONSIBILITIES OF THE SECRETARIAT OF STATE FOR PUBLIC HEALTH IN THE AREAS OF PUBLIC HEALTH PROTECTION AND ENVIRONMENTAL SANITATION AND OF THE SECRETARIAT OF STATE FOR HOUSING AND URBAN AFFAIRS IN THE AREAS OF HOUSING, LAND USE PLANNING AND URBAN DEVELOPMENT. CERTAIN SUBSECRETARIATS FOR THE SECRETARIATS OF PUBLIC HEALTH; SOCIAL SECURITY; AND SPORTS AND TOURISM ARE ALSO CREATED BY THIS DECREE.

ARGENTINA

"MAY 23, 1973 DECREE NO. 4858 ON THE NATIONAL ENVIRONMENTAL POLICY."
ANALES DE LEGISLACION ARGENTINA, VOL. 33-D, 1973

LR(A) SPANISH 00/00/74 PGS 2059-61 EPA ID# 03545A
ALSO PMA

THE NATIONAL ENVIRONMENTAL POLICY OF ARGENTINA, COMPLIANCE WITH WHICH IS MANDATORY FOR ALL AGENCIES, IS PROMULGATED IN THIS DECREE. NATIONAL ACTIVITIES AND PROGRAMS TO ATTAIN ENVIRONMENTAL GOALS ARE DELINEATED IN THE DECREE AND INCLUDE: ENVIRONMENTAL ORGANIZATION EFFORTS; INCORPORATION OF ENVIRONMENTAL FACTORS IN NATIONAL DEVELOPMENT; ENVIRONMENTAL EDUCATION AND TRAINING; EXCHANGE AND INFORMATION PROGRAMS; CREATION OF ENVIRONMENTAL INCENTIVES; AND PROVISIONS FOR ENVIRONMENTAL LAWS. UNTIL SUCH TIME AS AN EXECUTIVE ENVIRONMENTAL ORGANIZATION CAN BE STRUCTURED, THE INTERMINISTERIAL COMMISSION FOR ENVIRONMENTAL PRESERVATION WILL SERVE AS THE NATIONAL ENVIRONMENT AGENCY, ACTING IN AN ADVISORY CAPACITY WITHIN THE MINISTRY OF SOCIAL WELFARE. THE COMMISSION'S STRUCTURE AND POWERS IN THIS REGARD ARE SET FORTH IN THE DECREE, ONE SIGNIFICANT FUNCTION BEING THE ELICITING OF ENVIRONMENTAL IMPACT REPORTS FOR STATE SPONSORED WORKS AND PROJECTS. THE DECREE WAS FIRST PUBLISHED IN THE BOLETIN OFICIAL OF JUNE 13, 1973.

CANADA

ENVIRONMENT CANADA ACQUISITIONS
CANADA. ENVIRONMENT CANADA
PM(B) ENGLISH* 00/00/00 PGS EPA ID# 03516A
ALSO ST/*ALSO FRENCH

THIS ACQUISITIONS LIST, ISSUED PERIODICALLY, INCLUDES NEWLY RECEIVED MONOGRAPHS AND PERIODICALS CATALOGUED IN THE LIBRARY OF THE CANADIAN DEPARTMENT OF THE ENVIRONMENT, THE CHEMICAL CONTROL RESEARCH INSTITUTE AND THE FONTAINE LIBRARY. A LIST OF ON-LINE DATA BASES FOR COMPUTERIZED LITERATURE SEARCHES IS ALSO GIVEN. PERTINENT BIBLIOGRAPHICAL DATA IS GIVEN FOR EACH INPUT, AND INTRODUCTORY INFORMATION IN EACH ISSUE OF THE ACQUISITIONS LIST DESCRIBES LOAN REQUEST PROCEDURES AND CONTAINS THE APPROPRIATE LOAN REQUEST FORMS.

CANADA

"FEDERAL-PROVINCIAL ACCORDS ON ENVIRONMENTAL PROTECTION." ENVIRONMENT CANADA NEWS RELEASE, NO. 121
CANADA. ENVIRONMENT CANADA
PM(B) ENGLISH 10/09/75 PGS 1-2 EPA ID# 03522A

AGREEMENTS TO DEVELOP COMPLEMENTARY PROGRAMS FOR THE PROTECTION AND ENHANCEMENT OF ENVIRONMENTAL QUALITY HAVE BEEN SIGNED BY CANADA AND THE PROVINCES OF ALBERTA, SASKATCHEWAN, NEW BRUNSWICK, MANITOBA, PRINCE EDWARD ISLAND AND NOVA SCOTIA, WHILE SIMILAR ACCORDS ARE EXPECTED TO FOLLOW WITH THE REMAINING PROVINCES. ACCORDING TO THE CANADIAN ENVIRONMENTAL MINISTER, THESE ACCORDS ESTABLISH AN OVERALL FRAMEWORK THAT WILL FACILITATE BOTH THE IDENTIFICATION OF PROBLEMS AND THE COOPERATION NECESSARY FOR PROBLEM SOLVING. MEASURES AGREED TO BY CANADA AND THE SIGNING PROVINCES INCLUDE: 1) THE DETERMINATION AND ESTABLISHMENT OF DESIRABLE LEVELS OF BASELINE ENVIRONMENTAL QUALITY; 2) THE DEVELOPMENT OF NATIONAL REQUIREMENTS AND GUIDELINES FOR POLLUTION CONTROL BY INDUSTRY AND MUNICIPALITIES; AND 3) CONSULTATION ON METHODS OF MONITORING ENVIRONMENTAL QUALITY AND THE EXCHANGE OF ASSESSMENT DATA.

CANADA

"CANADA-ONTARIO ENVIRONMENTAL ACCORD SIGNED." ENVIRONMENT CANADA JOINT NEWS RELEASE, NO. 124
CANADA. ENVIRONMENT CANADA
EPA
PH(B) ENGLISH 10/20/75 PGS 1-2 ID# 03535A

AN AGREEMENT TO DEVELOP COMPLEMENTARY ENVIRONMENTAL PROTECTION AND ENHANCEMENT PROGRAMS HAS BEEN SIGNED BY ENVIRONMENT CANADA MINISTER, JEANNE SAUVE, AND ONTARIO'S NEWLY APPOINTED ENVIRONMENT MINISTER, GEORGE KERR. THE ACCORD EXTENDS FOR FIVE YEARS AND PROVIDES FOR REVISION AND RENEWAL, AS WELL AS SUBSIDIARY AGREEMENTS WITH RESPECT TO PARTICULAR ENVIRONMENTAL CONCERNS. CANADA AND ONTARIO HAVE AGREED TO, AMONG OTHER THINGS: ESTABLISH DESIRABLE LEVELS OF BASELINE ENVIRONMENTAL QUALITY; DEVELOP NATIONAL REQUIREMENTS AND GUIDELINES FOR POLLUTION CONTROL BY INDUSTRY AND MUNICIPALITIES; IMPLEMENT POLLUTION CONTROL PROGRAMS; CONSULT ON METHODS OF MONITORING ENVIRONMENTAL QUALITY AND EXCHANGING ASSESSMENT DATA; DEVELOP CONTINGENCY PLANS TO DEAL WITH ENVIRONMENTAL EMERGENCIES SUCH AS OIL SPILLS; COOPERATE IN RESEARCH, STAFF TRAINING, AND EXCHANGE OF TECHNIQUES; AND SHARE COSTS FOR JOINT PROGRAMS.

CANADA

SLUDGE INCINERATION AND PRECIPITANT RECOVERY. VOL. 1. A SELECTIVE CODED BIBLIOGRAPHY. RESEARCH REPORT NO. 31
PLUMMER, DEREK
EPA
STE) ENGLISH 02/00/76 PGS 1-31 ID# 03490A

INCINERATION HAS BEEN A POPULAR METHOD OF ULTIMATE DISPOSAL OF SEWAGE SLUDGES FOR MANY YEARS. WITH THE RECENT IMPLEMENTATION OF CHEMICAL PHOSPHORUS REMOVAL PROGRAMS AT MUNICIPAL WASTEWATER TREATMENT PLANTS, INTEREST HAS DEVELOPED IN THE RECOVERY AND RECYCLING OF THE CHEMICAL PRECIPITANTS (ALUM, IRON, AND LIME) FROM INCINERATED SLUDGE ASH. THE WASTEWATER TECHNOLOGY CENTRE OF THE CANADIAN ENVIRONMENTAL PROTECTION SERVICE INITIATED A "SLUDGE INCINERATION AND PRECIPITANT RECOVERY PROGRAM" IN 1972. AN EXTENSIVE REVIEW OF THE RELATED SIGNIFICANT ENGLISH LANGUAGE LITERATURE FROM THE PERIOD 1968 TO 1974 WAS PERFORMED AS PART OF THIS PROGRAM AND IS SUMMARIZED IN THIS BIBLIOGRAPHY.

COSTA RICA

"JULY 23, 1973 DECREE NO. 5287 REFORMING ARTICLE 413 OF THE PENAL CODE."
LA GACETA - DIARIO OFICIAL, NO. 158, 1973
EPA
LR(A) SPANISH 08/24/73 PGS 1 ID# 03485A
*AIR

COSTA RICA "JULY 31, 1973 GENERAL HEALTH LAW." SUPPLEMENT NO. 113 TO LA GACETA - DIARIO OFICIAL, NO. 143, 1973

LR(A) SPANISH 08/31/73 PGS 4145-59 EPA ID# 03537A

THE GENERAL HEALTH LAW OF COSTA RICA, APPROVED BY THE LEGISLATIVE ASSEMBLY OF THAT COUNTRY, CONTAINS THE BASIC PROVISIONS FOR THE PROTECTION OF PUBLIC HEALTH AND THE PROTECTION OF PUBLIC HEALTH FROM ENVIRONMENTAL DETERIORATION. AN INTRODUCTION SUMMARIZES THE TEXT OF THE LAW AND DISCUSSES ANTECEDENTS TO THE PASSAGE OF THE LAW IN RELATION TO THE NATIONAL SANITATION CODE AND OTHER ADMINISTRATIVE CODES. THE TEXT OF THE LAW IS DIVIDED INTO THREE PARTS, THE FIRST DELINEATING THE RIGHTS AND DUTIES OF CITIZENS REGARDING PERSONAL HEALTH, RESPECT OF THE HEALTH OF OTHERS AND THE PROTECTION AND ENHANCEMENT OF THE ENVIRONMENT. THE SECOND PART OF THE LAW NAMES AND DISCUSSES THE ATTRIBUTES OF THE APPROPRIATE HEALTH AUTHORITIES AND ADMINISTRATION, AND THE THIRD PART OF THE LAW LISTS THE SANCTIONS CONCERNING CONTRAVENORS AND THE LEGAL AND ADMINISTRATIVE PROCEDURES FOR THEIR APPLICATION.

COSTA RICA "NOVEMBER 8, 1973 DECREE NO. 5412 ON THE ORGANIZATIONAL LAW OF THE MINISTRY OF HEALTH." SUPPLEMENT NO. 174 TO LA GACETA - DIARIO OFICIAL, NO. 223, 1973

LR(A) SPANISH 11/27/73 PGS 5705-07 EPA ID# 03538A

THIS DECREE, PROMULGATED BY THE COSTA RICAN LEGISLATIVE ASSEMBLY, DEFINES THE DUTIES AND ORGANIZATION OF THE MINISTRY OF HEALTH AND THE FUNCTIONS OF ITS VARIOUS SUBDIVISIONS. THE MINISTRY IS COMPRISED OF THE MINISTER'S AND VICE MINISTER'S OFFICE, THE GENERAL DIRECTORATE OF HEALTH, AND THE DIVISIONS OF MEDICAL AND PHARMACEUTICAL SERVICES, EPIDEMIOLOGY, ENVIRONMENTAL HEALTH, PROGRAM AREAS, AND ADMINISTRATION. IN ADDITION, AGENCIES DEPENDENT ON OR HOUSED WITHIN THE MINISTER'S OFFICE INCLUDE: THE PLANNING UNIT, LEGAL ADVISORY SERVICE, GENERAL ACCOUNTING SERVICE, NATIONAL HEALTH COUNCIL, MEDICO-SOCIAL ASSISTANCE COUNCIL, NARCOTICS BOARD, ALCOHOLISM INSTITUTE, AND FOOD AND NUTRITION POLICY SECRETARIAT. THE DECREE ALSO DEFINES THE MINISTRY'S INTERNATIONAL HEALTH RELATIONSHIPS, FINANCIAL PROVISIONS, MUNICIPAL SANITARY ACTIVITIES, AND THE APPROPRIATE ENFORCEMENT MECHANISMS FOR IMPLEMENTING THE PROVISIONS OF THIS DECREE AND OTHER HEALTH LAWS IN FORCE.

FRANCE "MAY 15, 1974 DECREE NO. 74-531 IN PURSUANCE OF ARTICLE 5 OF THE DECEMBER 19, 1917 LAW ON CLASSIFIED ESTABLISHMENTS AS AMENDED." JOURNAL OFFICIEL

LR(A) FRENCH 05/23/74 PGS 5644-47 EPA ID# 00379R

THIS DECREE, ISSUED IN PURSUANCE OF ARTICLE 5 OF THE DECEMBER 19, 1917 LAW ON CLASSIFIED ESTABLISHMENTS AS AMENDED, SUPPLEMENTS THE LIST OF INSTALLATIONS WHICH ARE DESIGNATED AS DANGEROUS AND CLASSIFIED ACCORDING TO THE DEGREE OF DANGER OR ANNOYANCE PRESENTED.

GENERAL

GERMAN DEM REP "DECEMBER 11, 1975 ORDINANCE ON STATE HYGIENE INSPECTION." GESETZBLATT DER DEUTSCHEN DEMOKRATISCHEN REPUBLIK

EPA

LR(A) GERMAN 01/22/76 PGS 17-20 ID# 03488A

THE STATE HYGIENE INSPECTORATE OF THE GERMAN DEMOCRATIC REPUBLIC IS RESPONSIBLE FOR PROVIDING GUIDANCE, ADVICE, SUPPORT AND CONTROL IN THE IMPLEMENTATION OF REGULATIONS, RULES AND STANDARDS IN THE AREA OF HYGIENE. ORGANS BELONGING TO THE HYGIENE INSPECTORATE INCLUDE THE STATE HYGIENE INSPECTORATE OF THE MINISTRY OF HEALTH, AND THE HYGIENE INSPECTORATES AT THE DISTRICT (BEZIRK), REGIONAL (KREIS), AND CITY-DISTRICT (STADTBEZIRK) LEVELS. RESPONSIBILITIES OF THE INSPECTORATE INVOLVE ATTENTION TO COMMUNAL HYGIENE, INCLUDING MEASURES TO PROTECT THE PURITY OF SOIL, AIR, AND WATER, TO REDUCE NOISE, AND TO COLLECT, REMOVE AND RECLAIM WASTE PRODUCTS. THE INSPECTORATE IS ALSO INVOLVED IN PROTECTING PEOPLE FROM FOREIGN AND POISONOUS SUBSTANCES. THE ADMINISTRATION, ORGANIZATION, AND RIGHTS OF THE HYGIENE INSPECTORATE AT ITS SEVERAL LEVELS ARE DESCRIBED IN THE ORDINANCE, AND VIOLATIONS AND PENALTIES ARE STATED.

HUNGARY "SEPTEMBER 4, 1974 RESOLUTION NO. 1064 ON THE ESTABLISHMENT OF A NATIONAL ENVIRONMENTAL PROTECTION COUNCIL." MAGYAR KOZLONY, NO. 62

EPA

LR(A) HUNGARIAN* 09/04/74 PGS 736-38 ID# 02493B
*ENGLISH TRANSLATION ATTACHED

THIS RESOLUTION PROVIDES FOR THE ESTABLISHMENT, BY THE COUNCIL OF MINISTERS, OF A NATIONAL ENVIRONMENTAL PROTECTION COUNCIL FOR THE COORDINATION, CONTROL AND INCREASED EFFECTIVENESS OF ENVIRONMENTALLY RELATED GOVERNMENT ACTIVITIES. A LIST OF THE COUNCIL'S MEMBERSHIP IS INCLUDED, ALONG WITH DETAILS ON TASKS TO BE PERFORMED BY THE COUNCIL, INCLUDING: FORMULATION OF ENVIRONMENTAL OBJECTIVES, COORDINATION OF INDEPENDENT MINISTERIAL ACTIVITIES, AND MONITORING THE WORK OF NATIONAL ENVIRONMENTAL ORGANS.

INTERNATIONAL PROCEEDINGS OF THE INTERNATIONAL SYMPOSIUM ON RECENT ADVANCES IN THE ASSESSMENT OF THE HEALTH EFFECTS OF ENVIRONMENTAL POLLUTION, VOLUME 1

EPA

ST( ) ENGLISH 00/00/75 PGS 1-476 ID# 03518A
ALSO PMB AND SE

THE INTERNATIONAL SYMPOSIUM ON RECENT ADVANCES IN THE ASSESSMENT OF THE HEALTH EFFECTS OF ENVIRONMENTAL POLLUTION, HELD IN PARIS IN JUNE 1974, WAS SPONSORED JOINTLY BY THE COMMISSION OF THE EUROPEAN COMMUNITIES, THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY, AND WHO IN ORDER TO COMPILE AND EVALUATE DATA ON THE METHODOLOGIES AND TECHNIQUES CURRENTLY AVAILABLE FOR ESTABLISHING THE EFFECTS OF ENVIRONMENTAL POLLUTANTS ON HUMAN HEALTH. THE ADDRESSES, REPORTS, PANEL DISCUSSIONS AND COMMENTS OF THE SYMPOSIUM ARE PUBLISHED IN FOUR VOLUMES IN ENGLISH, DUTCH, FRENCH, GERMAN OR ITALIAN. PAPERS AND PROCEEDINGS NOT PUBLISHED ORIGINALLY IN ENGLISH HAVE AN ENGLISH ABSTRACT OR TRANSLATION IN THESE VOLUMES. VOLUME 1 INCLUDES OPENING ADDRESSES AND THE WORKING PAPERS AND DISCUSSIONS PRESENTED AT PLENARY SESSIONS OF THE SYMPOSIUM INVOLVING METHODS USED IN POLLUTION MONITORING AND IN STUDYING THE EFFECTS OF ENVIRONMENTAL POLLUTION ON POPULATION AND HUMAN HEALTH IN GENERAL.

INTERNATIONAL

PROCEEDINGS OF THE INTERNATIONAL SYMPOSIUM ON RECENT ADVANCES IN THE ASSESSMENT OF THE HEALTH EFFECTS OF ENVIRONMENTAL POLLUTION, VOLUME 2

STI) ENGLISH 00/00/75 PGS 477-1185 EPA ID# 035188

THE INTERNATIONAL SYMPOSIUM ON RECENT ADVANCES IN THE ASSESSMENT OF THE HEALTH EFFECTS OF ENVIRONMENTAL POLLUTION, HELD IN PARIS IN JUNE 1974 AND SPONSORED JOINTLY BY THE COMMISSION OF THE EUROPEAN COMMUNITIES, THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY, AND WHO, COMPILED AND EVALUATED DATA ON THE METHODOLOGIES AND TECHNIQUES CURRENTLY AVAILABLE FOR ESTABLISHING THE EFFECTS OF ENVIRONMENTAL POLLUTANTS ON HUMAN HEALTH. THE SYMPOSIUM PROCEEDINGS ARE PUBLISHED IN FOUR VOLUMES IN ENGLISH, DUTCH, FRENCH, GERMAN OR ITALIAN, THOSE PAPERS AND PROCEEDINGS NOT ORIGINALLY IN ENGLISH HAVING AN ENGLISH ABSTRACT OR TRANSLATION IN THESE VOLUMES. VOLUME 2 OF THE PROCEEDINGS CONTAINS PAPERS PRESENTED AT SPECIALIZED SESSIONS AS WELL AS SUPPLEMENTARY REPORTS. MAJOR TOPICS ARE: STUDIES ON THE EFFECTS OF ENVIRONMENTAL POLLUTION ON HUMANS; ANIMAL STUDIES; EFFECTS OF ENVIRONMENTAL POLLUTION ON METABOLISM; EFFECTS OF INTERACTIONS OF POLLUTANTS; AND INDICATORS OF EXPOSURE.

INTERNATIONAL

PROCEEDINGS OF THE INTERNATIONAL SYMPOSIUM ON RECENT ADVANCES IN THE ASSESSMENT OF THE HEALTH EFFECTS OF ENVIRONMENTAL POLLUTION, VOLUME 3

STI) ENGLISH 00/00/75 PGS 1186-1872 EPA ID# 03518C

THE INTERNATIONAL SYMPOSIUM ON RECENT ADVANCES IN THE ASSESSMENT OF THE HEALTH EFFECTS OF ENVIRONMENTAL POLLUTION, HELD IN PARIS IN JUNE 1974 AND SPONSORED JOINTLY BY THE COMMISSION OF THE EUROPEAN COMMUNITIES, THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY, AND WHO, COMPILED AND EVALUATED DATA ON THE METHODOLOGIES AND TECHNIQUES CURRENTLY AVAILABLE FOR ESTABLISHING THE EFFECTS OF ENVIRONMENTAL POLLUTANTS ON HUMAN HEALTH. THE SYMPOSIUM PROCEEDINGS ARE PUBLISHED IN FOUR VOLUMES IN ENGLISH, DUTCH, FRENCH, GERMAN OR ITALIAN, PAPERS NOT ORIGINALLY IN ENGLISH HAVING ENGLISH ABSTRACTS OR TRANSLATIONS IN THESE VOLUMES. VOLUME 3 CONTAINS PAPERS PRESENTED AT SPECIALIZED SESSIONS AS WELL AS SUPPLEMENTARY REPORTS ON TISSUE MEASUREMENT OF POLLUTANTS, MONITORING NEEDS, ENVIRONMENTAL MEASUREMENTS, EXPOSURE MONITORING AND MODELS FOR EVALUATING THE EFFECT OF POLLUTION ON HEALTH.

INTERNATIONAL

PROCEEDINGS OF THE INTERNATIONAL SYMPOSIUM ON RECENT ADVANCES IN THE ASSESSMENT OF THE HEALTH EFFECTS OF ENVIRONMENTAL POLLUTION, VOLUME 4

STI) ENGLISH 00/00/75 PGS 1873-2522 EPA ID# 03513D
ALSO PHB AND SE

THE INTERNATIONAL SYMPOSIUM ON RECENT ADVANCES IN THE ASSESSMENT OF THE HEALTH EFFECTS OF ENVIRONMENTAL POLLUTION, HELD IN PARIS IN JUNE 1974 AND SPONSORED JOINTLY BY THE COMMISSION OF THE EUROPEAN COMMUNITIES, THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY, AND WHO, COMPILED AND EVALUATED DATA ON THE METHODOLOGIES AND TECHNIQUES CURRENTLY AVAILABLE FOR ESTABLISHING THE EFFECTS OF ENVIRONMENTAL POLLUTANTS ON HUMAN HEALTH. MOST OF THE PAPERS APPEARING IN THE FOUR VOLUMES OF THE SYMPOSIUM PROCEEDINGS ARE IN ENGLISH; ENGLISH ABSTRACTS ARE PROVIDED FOR THOSE PAPERS IN ENGLISH, FRENCH, GERMAN OR ITALIAN. VOLUME 4, WHICH SUMS UP THE SYMPOSIUM, CONTAINS PAPERS AND DISCUSSIONS PRESENTED AT PLENARY SESSIONS DEALING WITH: THE SCIENTIFIC DATA BASE REQUIRED FOR DECISIONS TO PROTECT HUMAN HEALTH; EXPERIMENTAL INVESTIGATIONS; MONITORING NEEDS; TISSUE MEASUREMENTS; AND HEALTH EFFECTS STUDIES. CONCLUDING REMARKS AND LISTS OF PARTICIPANTS ARE ALSO GIVEN.

GENERAL

LIBYA "DEC. 13, 1973 HEALTH LAW." AL-JARIDAH AL-RASMIYAH, VOL. 12, NO. 6

EPA

LR(A) ARABIC 02/18/74 PGS 188-240 ID# 03519A

WATER RADIATION

THIS LAW ON THE HEALTH AND MEDICAL SERVICES TO BE FURNISHED BY THE LIBYAN MINISTRY OF HEALTH, CONTAINS PROVISIONS DEALING WITH THE QUALITY OF DRINKING WATER AND ITS PROTECTION FROM POLLUTION AND POLLUTION HAZARDS; GENERAL ENVIRONMENTAL HEALTH MEASURES INCLUDING SANITARY REQUIREMENTS WITH RESPECT TO BATHING BEACHES, BATHHOUSES AND PUBLIC TOILETS, THE DRAINAGE AND DISPOSAL OF LIQUID AND SOLID WASTES (INCLUDING INDUSTRIAL WASTES) AND THE COLLECTION AND DISPOSAL OF GARBAGE; AND, FINALLY, THE USE OF IONIZING RADIATION AND THE PREVENTION OF THEIR HAZARDS. (ATTACHED IS A PARTIAL ENGLISH TRANSLATION OF THE LAW, WHICH APPEARED IN THE INTERNATIONAL DIGEST OF HEALTH LEGISLATION, VOL. 26, 1975, PP 144-162.)

SPAIN "FEBRUARY 6, 1976 DECREE NO. 182 REASSIGNING THE FUNCTIONS OF THE ABOLISHED MINISTRY OF DEVELOPMENT PLANNING ...." BOLETIN DEL ESTADO, NO. 36

EPA

LR(A) SPANISH 02/11/76 PGS 2871-72 ID# 03548A

THIS DECREE MAKES FURTHER ORGANIZATIONAL CHANGES IN THE SPANISH GOVERNMENT PURSUANT TO DECREE LAW NO. 1 OF JANUARY 8, 1976, WHICH PROVIDED FOR THE REORGANIZATION OF THE DELEGATE COMMISSION FOR ECONOMIC AFFAIRS AND THE ABOLISHMENT OF THE MINISTRY OF DEVELOPMENT PLANNING. AMONG OTHER ADMINISTRATIVE CHANGES, THE GENERAL FUNCTIONS OF THE ABOLISHED MINISTRY OF DEVELOPMENT PLANNING HAVE BEEN ASSUMED BY THE PRESIDENCY OF THE GOVERNMENT. OF SIGNIFICANCE FOR ENVIRONMENTAL MANAGEMENT, THE MINISTER OF THE PRESIDENCY OF THE GOVERNMENT IS NOW THE PRESIDENT OF THE INTERMINISTERIAL COMMISSION FOR THE ENVIRONMENT, AND THE GENERAL DIRECTORATE OF TERRITORIAL ACTIVITIES AND ENVIRONMENT, UNDER THE PRESIDENCY OF THE GOVERNMENT, HAS ASSUMED THE DUTIES OF THE SECRETARYSHIP OF THE INTERMINISTERIAL COMMISSION FOR THE ENVIRONMENT.

LAND USE

CANADA "ARCTIC POLLUTION PENALTIES 'NO DETERRENT' TO INDUSTRY." THE CITIZEN

NA, JOE

EPA

LR(B) ENGLISH 02/18/76 PGS 38 ID# 03495A

*WATER

CANADA

"NATIONAL LAND USE POLICY CALLED FOR IN ENVIRONMENT WEEK STATEMENT."
ENVIRONMENT CANADA NEWS RELEASE, NO. 119
CANADA. ENVIRONMENT CANADA EPA
PM(8) ENGLISH 10/07/75 PGS 1-9 ID# 03523A

A STATEMENT ISSUED BY THE CANADIAN ENVIRONMENTAL MINISTER TO MARK ENVIRONMENT WEEK POINTS OUT THE IMPORTANCE OF LAND USE IN THE PROTECTION OF THE NATURAL ENVIRONMENT AND IN THE IMPROVEMENT OF THE QUALITY OF LIFE. PLANNED LAND USE IS DESCRIBED AS ESSENTIAL TO THE CONTROL OF POLLUTION, TO THE MANAGEMENT OF RENEWABLE RESOURCES, AND TO THE PRODUCTION OF FOOD. THE COMPETING DEMANDS OF URBAN GROWTH, TRANSPORTATION, INDUSTRY AND RECREATION ARE ACKNOWLEDGED TO BE THREATENING GOOD AGRICULTURAL LAND. THE FEDERAL ENVIRONMENT MINISTER FURTHER EXPLAINED THAT A NATIONAL LAND USE POLICY COULD NOT BE IMPOSED AND THAT SEVERAL LEVELS OF GOVERNMENT AND THE PRIVATE SECTOR WOULD HAVE TO WORK TOGETHER TO DEVELOP AN ACCEPTABLE FRAMEWORK OF LAND USE PRINCIPLES. THE ESTABLISHMENT OF A TASK FORCE TO EXAMINE THE IMPACT OF FEDERAL PROGRAMS ON LAND USE AND TO EXPLORE WITH THE PROVINCES THE POSSIBILITY OF PRODUCING A SET OF NATIONAL LAND USE OBJECTIVES IS ALSO ANNOUNCED BY THE MINISTER.

INTERNATIONAL

PROCEEDINGS OF THE SYMPOSIUM ON ECOLOGY AND PLANNING. MAY 20-21, 1975, STOCKHOLM, SWEDEN
SWEDEN. NATIONAL ENVIRONMENT PROTECTION BOARD EPA
PM(8) ENGLISH* 11/00/75 PGS 1-227 ID# 03529A
*ALSO SWEDISH

THE SYMPOSIUM ON ECOLOGY AND PLANNING WHICH WAS HELD IN STOCKHOLM IN MAY 1975 HAD AS ITS OBJECTIVES TO SPREAD INFORMATION ABOUT THE NEED FOR ECOLOGICAL PLANNING, TO PRESENT CASE STUDIES FROM DIFFERENT COUNTRIES IN ORDER TO SHOW HOW IMPORTANT ECOLOGICAL PLANNING IS IN PROPER LAND USE AND TO DISCUSS THE POSSIBILITIES OF A MORE EXTENSIVE USE OF ECOLOGICAL PLANNING IN SWEDEN. THIS BOOKLET, WHICH IS ILLUSTRATED WITH SEVERAL MAPS AND CHARTS, CONTAINS PAPERS READ DURING THE CONFERENCE BY EXPERTS FROM DENMARK, FINLAND, NORWAY, SWEDEN, CANADA, GREAT BRITAIN, THE U.S.A. AND THE NETHERLANDS. TOPICS INCLUDE: NATIONAL PHYSICAL PLANNING IN SWEDEN; LANDSCAPE ANALYSES AND LANDSCAPE PLANNING IN DENMARK; ECOLOGY AND PLANNING IN SHETLAND; DEMANDS FOR WATER RESOURCES IN SWEDEN; AIR POLLUTION METEOROLOGY AND ECOLOGICAL PLANNING; THE ADVANTAGES OF CANADA LAND INVENTORY IN PRACTICAL PLANNING; AND CONSERVATION OF THE NATURAL AND CULTURAL LANDSCAPE AS AN INTEGRAL PART OF NORWEGIAN MUNICIPAL SURVEY PLANS.

SWEDEN

PLANNING SWEDEN: REGIONAL DEVELOPMENT AND MANAGEMENT OF LAND AND WATER RESOURCES
SWEDEN. MINISTRY OF LABOR AND HOUSING/PHYSICAL PLANNING EPA
PM(B) ENGLISH 00/00/73 PGS 1-142 ID# 03527A
ALSO LRB
WATER

THIS SUMMARY DISCUSSES THE SWEDISH GOVERNMENT DECISIONS OF DECEMBER 1972 CONCERNING REGIONAL DEVELOPMENT PLANNING AND MANAGEMENT OF LAND AND WATER RESOURCES. A SHORT DESCRIPTION OF SWEDEN'S ADMINISTRATIVE STRUCTURE IS INCLUDED, BOTH ON THE NATIONAL AND REGIONAL LEVEL, AS WELL AS SOME GENERAL COMMENTS REGARDING OTHER FORMS OF NATIONAL PLANNING AND THEIR RELATIONSHIP TO EACH OTHER. THE PRESENT LEGAL SYSTEM IS DISCUSSED AS BACKGROUND MATERIAL FOR THE LEGISLATIVE CHANGES, PARTICULARLY IN REGARD TO LAND USE. THE BOOKLET COVERS RATHER EXTENSIVELY THE HISTORY AND PRESENT SITUATION OF REGIONAL DEVELOPMENT AND PLANNING, INCLUDING OBJECTIVES AND THE MEANS USED TO REALIZE THESE. THE NATIONAL PHYSICAL PLANNING PROCESS IS REVIEWED AS WELL AS THE CURRENT NATIONAL GUIDELINES FOR LAND USE AND THEIR IMPLEMENTATION.

SWEDEN

RIKKARR I NORRLAND NATURVARDSPROBLEM OCH SKOTSELASPEKTER (RICH FENS IN NORTHERN SWEDEN: CONSERVATION AND MANAGEMENT)
ELVELAND, JAN EPA
PM(B) SWEDISH 08/00/75 PGS 1-78 ID# 03530A

THE RICH FENS IN SWEDEN HAVE DRAWN ATTENTION BECAUSE OF THEIR ABUNDANCE OF VEGETATION SPECIES. SINCE ABOUT SIX FENS HAVE NOW BECOME RESERVES AND MORE ARE BEING PLANNED, MANAGING THESE WETLAND AREAS IN ORDER TO CONSERVE THEIR UNIQUENESS IS OF PARTICULAR INTEREST. THE "RICH FEN" CONCEPT IS EXPLAINED IN THIS REPORT AND THE DISTRIBUTION OF RICH FENS IN SWEDEN IS MAPPED OUT. A SHORT HISTORY OF THESE AREAS AND THEIR IMPACT ON THE COUNTRY'S ECONOMY FOLLOWS. PROBLEMS REGARDING CONSERVATION AS WELL AS INSTRUCTIONS ON HOW TO MANAGE RICH FENS ARE DISCUSSED. AMONG DIFFERENT KINDS OF MANAGEMENT PRACTICES CONSIDERED ARE: PARTIAL CLEARING OF TREES AND BUSHES; HAY-MAKING WITH SCYTHES; GRAZING BY COWS OF THE HORNLESS, NORTHERN RACE; AND "GROUND PREPARATION," I.E. THE RIPPING OFF OF PIECES OF THE SUPERFICIAL PEAT OR THE TURNING OF IT UPSIDE DOWN. THE REPORT HAS A SUMMARY IN ENGLISH.

FRANCE "AUGUST 7, 1973 CIRCULAR CONCERNING SUGAR MILLS, SUGAR-BEET FACTORIES, AND SUGAR-BEET DISTILLERIES AND REFINERIES." JOURNAL OFFICIEL

LR(A) FRENCH 09/29/73 PGS 10551-57 EPA ID# 00379Q
*AIR WATER

FRANCE "OCTOBER 17, 1975 DECREE NO. 75-960 ON THE LIMITATION OF NOISE LEVELS." JOURNAL OFFICIEL

LR(A) FRENCH 10/19/76 PGS 10840-41 EPA ID# 03547A

THIS DECREE APPLIES TO INDUSTRIAL, COMMERCIAL AND HOUSEHOLD APPLIANCES USED FOR CLEANING AND MAINTENANCE OPERATIONS, FOR THE PREPARATION AND PRESERVATION OF FOOD, FOR THE PRODUCTION AND DIFFUSION OF HEAT OR REFRIGERANTS AND FOR AIR CONDITIONING, AS WELL AS TO ELEVATORS, LIFTS OR SIMILAR DEVICES AND OFFICE EQUIPMENT AND MACHINES. PROVISIONS OF THE DECREE RESTRICT THE NOISE OF THESE APPLIANCES AND EQUIPMENT TO NON-EXCESSIVELY DISTURBING LEVELS. THE NOISE LEVEL OF THE APPLIANCES IS REQUIRED, FURTHERMORE, TO BE BROUGHT TO THE ATTENTION OF THE USER OR PURCHASER, AND NOISE EMISSION LEVELS MAY BE SUBJECTED TO APPROVAL PROCEDURES. A FINE RANGING FROM 160 TO 600 FRANCS IS STIPULATED FOR OFFENSES.

FRANCE "MAY 5, 1973 ORDER AMENDING THE PROVISIONS OF APRIL 11, 1972 DECREE RESTRICTING THE LEVEL OF AIRBORNE NOISES EMITTED BY CERTAIN MACHINES." JOURNAL OFFICIEL

LR(A) FRENCH 05/11/75 PGS 4776 EPA ID# 03552A

THIS ORDER AMENDS THE INTERMINISTERIAL ORDER OF APRIL 11, 1972, ITS PRINCIPAL EFFECTS BEING: 1) TO MODIFY THE MAXIMUM PERMISSIBLE LEVEL OF AIRBORNE NOISE THAT MAY BE PRODUCED BY THE ENGINES OF THE MACHINES REFERRED TO IN THE 1972 ORDER (THE FIGURE IS NOW 80, 83, 87, OR 90 DB(A), DEPENDING ON THE CATEGORY OF EQUIPMENT; 2) TO PROVIDE FOR TYPE OR INDIVIDUAL APPROVAL; 3) TO PRESCRIBE THAT, WHERE A DIRECTIVE ADOPTED BY THE COUNCIL OF MINISTERS OF THE EUROPEAN COMMUNITIES CONTAINS PROVISIONS THAT ARE INCOMPATIBLE WITH THE 1972 ORDER, THE LATTER WILL BE FURTHER AMENDED ACCORDINGLY.

GERMANY,FED REP OF "OCT. 24, 1972 GENERAL ADMINISTRATIVE REGULATION FOR PRCTECTION AGAINST CONSTRUCTION NOISE - EMISSION STANDARDS FOR COMPRESSORS." BUNDESANZEIGER, NO. 205

EPA

LR(A) GERMAN 10/28/72 PGS 1 ID# 00917F

THE REGULATION, PASSED PURSUANT TO THE SEPTEMBER 9, 1965 LAW FOR PROTECTION AGAINST CONSTRUCTION NOISE, ESTABLISHES NOISE GUIDELINES FOR COMPRESSORS BEING USED ON CONSTRUCTION SITES FOR COMMERCIAL PURPOSES. THE MAXIMUM EMISSION VALUES RANGE FROM 75 TO 86 DB(A), BASED ON THE CAPACITY OF THE MACHINE AND WHETHER IT IS OPERATING AT FULL LOAD OR IDLING. BEGINNING JANUARY 1, 1975, THE EQUIVALENT VALUES ARE REDUCED TO A RANGE OF 70 TO 81 DB(A). COMPRESSORS IN USE LONGER THAN TWO YEARS MAY EXCEED THE STIPULATED VALUES UP TO 3 DB(A). THE REGULATION DESCRIBES MEASURING PROCEDURES FOR DETERMINING COMPRESSOR NOISE EMISSIONS.

GERMANY,FED REP OF "MARCH 28, 1973 GENERAL ADMINISTRATIVE REGULATION FOR PROTECTION AGAINST CONSTRUCTION NOISE - EMISSION STANDARDS FOR CONCRETE PUMPS." BUNDESANZEIGER, NO. 64

EPA

LR(A) GERMAN 03/31/73 PGS 1 ID# 00917G

PASSED PURSUANT TO THE SEPTEMBER 9, 1965 LAW FOR PROTECTION AGAINST CONSTRUCTION NOISE, THIS ADMINISTRATIVE REGULATION SETS STANDARDS FOR CONCRETE PUMPS USED FOR COMMERCIAL PURPOSES AT CONSTRUCTION SITES. THE ACCEPTABLE MAXIMUM NOISE VALUE FOR A CONCRETE PUMP IS 86 DB(A). EFFECTIVE JANUARY 1, 1976, THIS VALUE IS REDUCED TO 81 DB(A). CONCRETE PUMPS WHICH HAVE BEEN IN OPERATION LONGER THAN TWO YEARS MAY EXCEED THE STIPULATED VALUES BY 3 DB(A). THE NOISE MEASUREMENT PROCEDURE IS OUTLINED.

GERMANY,FED REP OF "MAY 4, 1973 GENERAL ADMINISTRATIVE REGULATION FOR PROTECTION AGAINST CONSTRUCTION NOISE - EMISSION STANDARDS FOR BULLDOZERS." BUNDESANZEIGER, NO. 87

EPA

LR(A) GERMAN 05/10/73 PGS 1-2 ID# 00917H

PASSED PURSUANT TO THE SEPTEMBER 9, 1965 LAW FOR PROTECTION AGAINST CONSTRUCTION NOISE, THE REGULATION ESTABLISHES NOISE STANDARDS FOR BULLDOZERS USED FOR COMMERCIAL PURPOSES AT CONSTRUCTION SITES. NOISE EMISSIONS FROM BULLDOZERS MAY RANGE FROM 87 TO 90 DB(A) DEPENDING ON THE CAPACITY OF THE MACHINE AND THE OPERATING CONDITION. EFFECTIVE JANUARY 1, 1977, THESE VALUES ARE REDUCED TO A RANGE OF 82 TO 85 DB(A). THOSE MACHINES WHICH HAVE BEEN IN OPERATION LONGER THAN TWO YEARS MAY EXCEED STIPULATED VALUES BY UP TO 3 DB(A). NOISE MEASUREMENT PROCEDURES ARE SPECIFIED.

NOISE

GERMANY,FED REP OF "MAY 14, 1973 GENERAL ADMINISTRATIVE REGULATION FOR PROTECTION AGAINST CONSTRUCTION NOISE - EMISSION STANDARDS FOR TRACKED LOADERS." BUNDESANZEIGER, NO. 94

EPA

LR(A) GERMAN 05/19/73 PGS 1 ID# 00917J

PASSED PURSUANT TO THE SEPTEMBER 9, 1965 LAW FOR PROTECTION AGAINST CONSTRUCTION NOISE, THIS REGULATION SETS STANDARDS FOR NOISE FROM TRACKED LOADERS BEING USED ON CONSTRUCTION SITES FOR COMMERCIAL PURPOSES. MAXIMUM EMISSION VALUES RANGE FROM 86 TO 90 DB(A), DEPENDING ON THE PERFORMANCE CAPACITY OF THE MACHINE AND OPERATING CONDITIONS. EFFECTIVE JANUARY 1, 1977, THE VALUES WILL BE REDUCED TO A RANGE OF FROM 81 TO 86 DB(A). MACHINES WHICH HAVE BEEN IN USE FOR MORE THAN TWO YEARS MAY EXCEED THE STIPULATED VALUES BY UP TO 3 DB(A). THE REGULATION SPECIFIES THE NOISE MEASURING PROCEDURES TO BE USED.

GERMANY,FED REP OF "DEC. 17, 1973 GENERAL ADMINISTRATIVE REGULATION FOR PROTECTION AGAINST CONSTRUCTION NOISE - EMISSION STANDARDS FOR EXCAVATORS." BUNDESANZEIGER, NO. 239

EPA

LR(A) GERMAN 12/21/73 PGS 1-2 ID# 00917K

PASSED PURSUANT TO THE SEPTEMBER 9, 1965 LAW FOR PROTECTION AGAINST CONSTRUCTION NOISE, THIS REGULATION SETS NOISE GUIDELINES FOR EXCAVATING MACHINES USED FOR COMMERCIAL PURPOSES ON CONSTRUCTION SITES. MACHINES UP TO 85 KILOWATT POWER (ABOUT 115 HORSEPOWER) MAY NOT EXCEED 83 DB(A) DURING STATIONARY RUNNING, OR 86 DB(A) DURING THE WORK CYCLE. FOR MACHINES OVER 85 KILOWATT POWER, THE CORRESPONDING VALUES ARE 86 DB(A) AND 89 DB(A). BEGINNING JANUARY 1, 1978, MAXIMUM VALUES RANGING FROM 78 TO 84 DB(A) WILL BE APPLICABLE. MACHINES WHICH HAVE BEEN IN OPERATION LONGER THAN TWO YEARS MAY EXCEED THE STIPULATED VALUES BY 3 DB(A). THE REGULATION CONTAINS INSTRUCTIONS FOR THE MEASURING OF NOISE FROM EXCAVATING MACHINES.

PESTICIDES

FRANCE "FEBRUARY 25, 1975 ORDER CONCERNING THE APPLICATION OF PEST CONTROL PRODUCTS FOR AGRICULTURAL USE." JOURNAL OFFICIEL

EPA

LR(A) FRENCH 03/07/75 PGS 2563-64 ID# 00662K

THIS ORDER LAYS DOWN THE CONDITIONS GOVERNING THE USE OF PRODUCTS REFERRED TO IN THE NOVEMBER 2, 1943 LAW ON PEST CONTROL PRODUCTS. IT INCLUDES A NUMBER OF GENERAL PROVISIONS, PRESCRIBING IN PARTICULAR THAT ALL NECESSARY PRECAUTIONS MUST BE TAKEN BY USERS OF SUCH PRODUCTS TO PREVENT THEM FROM BEING DISPERSED TOWARDS ANY OF THE FOLLOWING: DWELLINGS, PARKS AND GARDENS; BUILDINGS AND ENCLOSURES USED FOR ANIMAL HUSBANDRY; DRINKING WATER OUTLETS; CROPS AND SITES NOT BEING TREATED; POOLS USED FOR FISH FARMING; AND IN GENERAL, ALL PROPERTY AND GOODS BELONGING TO THIRD PARTIES. OTHER MORE SPECIFIC PROVISIONS DEAL WITH THE PROTECTION OF BEES AND OTHER POLLINATING INSECTS. THIS ORDER REPEALS THE ORDER OF JUNE 1, 1971 CONCERNING THE APPLICATION OF PLANT PROTECTION PRODUCTS.

RADIATION

CANADA
MONTHLY RADIATION SUMMARY
CANADA. ATMOSPHERIC ENVIRONMENT SERVICE EPA
ST( ) ENGLISH* 00/00/00 PGS ID# 03513A
*ALSO FRENCH

THIS MONTHLY PUBLICATION, BEGINNING PUBLICATION WITH THE JANUARY 1960 ISSUE, IS PUBLISHED BY THE CANADIAN ATMOSPHERIC ENVIRONMENT SERVICE AND IS DESIGNED TO PROVIDE RESEARCH SCIENTISTS, ENGINEERS AND OTHER INTERESTED PARTIES WITH RADIATION DATA FROM MEASUREMENTS AT CANADIAN STATIONS AS SOON AS POSSIBLE AFTER THE END OF EACH MONTH. HOURLY RADIATION READINGS ARE LISTED IN TABLES, AND THESE TABLES ARE ARRANGED IN ALPHABETICAL ORDER BY STATION WHERE READINGS ARE TAKEN DURING THE MONTH. INTRODUCTORY MATERIAL IN EACH ISSUE DEFINES TERMS OF REFERENCE, EXPLAINS THE PROCESSING OF COLLECTED READINGS, AND ALSO GIVES INFORMATION CONCERNING BACK ISSUES, SUPPLEMENTS, SUBSCRIPTIONS AND EDITING OF THE MONTHLY RADIATION SUMMARY.

CZECHOSLOVAKIA
"JUNE 30, 1972 ORDER NO. 59 CONCERNING HEALTH PROTECTION AGAINST IONIZING RADIATIONS." ZBIERKA ZAKONOV CESKOSLOVENSKA SOCIALISTICKA REPUBLIKA, NO. 18, 1972
EPA
LR(A) CZECH 09/04/72 PGS 385-414 ID# 03489A

PROMULGATED PURSUANT TO THE 1966 PUBLIC HEALTH LAW, THIS ORDER OF THE MINISTRY OF HEALTH OF THE CZECH SOCIALIST REPUBLIC CONTAINS PROVISIONS CONCERNING THE PROTECTION OF PUBLIC HEALTH AGAINST IONIZING RADIATIONS. THE BASIC PREMISE OF THIS ORDER IS THAT ANY PERSON DEALING WITH RADIOACTIVE MATERIALS MUST TAKE, WITHIN THE LIMITS OF HIS COMPETENCY, ALL THE PRESCRIBED MEASURES TO SAFEGUARD HEALTH AGAINST RADIATION. DETAILED PROVISIONS ARE SET FORTH CONCERNING THE SAFETY OF WORKERS AND WORK AREAS WHERE RADIOACTIVE SUBSTANCES ARE PRESENT, PROCEDURES TO BE FOLLOWED IN CASE OF ACCIDENTS INVOLVING RADIOACTIVE SUBSTANCES, AND THE DISPOSAL, TRANSPORT, LICENSING AND IMPORTATION OF RADIOACTIVE SUBSTANCES. ANNEXES TO THE ORDER GIVE RADIATION DOSE LIMITS AND FORMULATE PRINCIPLES FOR MEASURING AND ELIMINATING SURFACE CONTAMINATION. (A SIMILIAR TEXT HAS BEEN ENACTED FOR THE SLOVAK SOCIALIST REPUBLIC BY ORDER NO. 65 OF JULY 21, 1972, WHICH APPEARS IN ZBIERKA ZAKONOV CESKOSLOVENSKA SOCIALISTICKA REPUBLIKA, NO. 20 OF SEPTEMBER 12, 1972).

EUROPEAN COMMUNITIES
LEGISLATION EN MATIERE DE RADIOPROTECTION (LEGISLATION IN THE AREA OF RADIATION PROTECTION)
COMMISSION OF THE EUROPEAN COMMUNITIES EPA
LR(B) FRENCH* 10/00/71 PGS 1-157 ID# 03533A
*ALSO ITALIAN, DUTCH, GERMAN

ARTICLE 26 OF THE TREATY ESTABLISHING THE EUROPEAN COMMUNITY OF ATOMIC ENERGY REQUIRES THE COMMUNITY TO ADOPT UNIFORM SAFETY STANDARDS FOR THE PROTECTION OF WORKERS AND THE GENERAL PUBLIC AND TO OVERSEE THE IMPLEMENTATION OF SUCH STANDARDS. THE STANDARDS, WHICH DEFINE: 1) MAXIMUM ADMISSIBLE SAFETY LEVELS; 2) MAXIMUM ADMISSIBLE EXPOSURE AND CONTAMINATION LEVELS; AND 3) PRINCIPLES OF WORKER HEALTH SURVEILLANCE, APPLY TO THE PEACEFUL USES OF ATOMIC ENERGY AND PERTAIN TO THE PRODUCTION, TREATMENT, MANIPULATION, USE, POSSESSION, STORAGE, TRANSPORTATION, AND ELIMINATION OF RADIOACTIVE SUBSTANCES. BECAUSE THESE COMMUNITY STANDARDS PERTAIN ONLY TO THE RESULTS TO BE ACHIEVED, THIS DOCUMENT EXAMINES THE LEGISLATION WHICH HAS SUBSEQUENTLY BEEN ENACTED IN EACH OF THE MEMBER STATES TO ENSURE THE IMPLEMENTATION AND OBSERVANCE OF THESE STANDARDS. COUNTRIES EXAMINED IN THE STUDY ARE: BELGIUM, GERMANY, FRANCE, ITALY, LUXEMBOURG, AND THE NETHERLANDS.

FRANCE "DECEMBER 31, 1974 DECREE NO. 74-1181 CONCERNING DISCHARGES OF LIQUID RADIOACTIVE EFFLUENTS FROM NUCLEAR INSTALLATIONS." JOURNAL OFFICIEL

EPA

LR(A) FRENCH 01/04/75 PGS 230-232 ID# 004438

*WATER

FRANCE "APRIL 28, 1975 DECREE NO. 75-306 ON THE PROTECTION OF WORKERS FROM THE DANGERS OF IONIZING RADIATION IN BASIC NUCLEAR INSTALLATIONS." JOURNAL OFFICIEL

EPA

LR(A) FRENCH 04/30/75 PGS 4428-32 ID# 08667N

TITLE I OF THIS DECREE CONTAINS PROVISIONS DEALING WITH ITS FIELD OF APPLICATION, DEFINITIONS, MAXIMUN PERMISSIBLE DOSE EQUIVALENTS AND CONCENTRATIONS, AND CONDITIONS RELATING TO THE EXPOSURE OF WORKERS. WITHOUT PREJUDICE TO GENERAL MEASURES PRESCRIBED ELSEWHERE, THE PROVISIONS OF THE DECREE APPLY TO NUCLEAR INSTALLATIONS LOCATED WITHIN THE CONFINES OF SITES OR ESTABLISHMENTS SUBJECT TO THE PROVISIONS OF TITLE III OF BOOK II OF THE LABOR CODE AND CONTAINING ONE OR MORE BASIC NUCLEAR INSTALLATIONS. TITLE II CONTAINS GENERAL PROVISIONS UNDER THE FOLLOWING HEADINGS: ADMINISTRATIVE MEASURES; ORGANIZATIONAL MEASURES APPLICABLE TO EVERY CONTROLLED AREA; TECHNICAL MEASURES APPLICABLE TO CONTROLLED AREAS; MEDICAL MEASURES AFFECTING PERSONNEL WORKING IN THESE AREAS; MEASURES APPLICABLE OUTSIDE OF CONTROLLED AREAS; AND MEASURES CONCERNING THE ORGANIZATION OF FIRST AID AND FIRE PREVENTION. TITLES III AND IV CONTAIN TRANSITIONAL AND MISCELLANEOUS PROVISIONS RESPECTIVELY.

FRANCE "AUGUST 4, 1975 DECREE NO. 75-713 ESTABLISHING AN INTERMINISTERIAL COMMITTEE OF NUCLEAR SAFETY." JOURNAL OFFICIEL

EPA

LR(A) FRENCH 08/09/75 PGS 8116 ID# 03546A

THIS DECREE ESTABLISHES AN INTERMINISTERIAL COMMITTEE WHICH COMPRISES THE FOLLOWING MINISTERS UNDER THE PRESIDENCY OF THE PRIME MINISTER: STATE, INTERIOR, FOREIGN AFFAIRS, ECONOMY AND FINANCE, DEFENSE, EQUIPMENT, AGRICULTURE, LABOR, HEALTH, AND INDUSTRY, AS WELL AS THE MINISTRY FOR THE QUALITY OF LIFE, THE STATE SECRETARY FOR TRANSPORTATION, AND THE STATE SECRETARY TO THE PRIME MINISTER. THE COMMITTEE IS GENERALLY RESPONSIBLE FOR THE COORDINATION OF ACTIVITIES AIMED AT ENSURING THE PROTECTION OF PERSONS AND PROPERTY FROM THE DANGERS, NUISANCES OR DISCOMFORTS ASSOCIATED WITH THE ESTABLISHMENT, OPERATION OR STOPPAGE OF FIXED OR MOBILE NUCLEAR INSTALLATIONS, AS WELL AS THE STORAGE, TRANSPORTATION, UTILIZATION AND TRANSFORMATION OF RADIOACTIVE SUBSTANCES NOT INTENDED FOR THE NATIONAL DEFENSE. THE COMMITTEE IS MORE PARTICULARLY TO CONCERN ITSELF WITH THE PROTECTION OF WORKERS AND THE GENERAL PUBLIC FROM THE EFFECTS OF IONIZING RADIATION, THE DISCHARGE OF RADIOACTIVE EFFLUENTS, AND SAFETY MEASURES IN NUCLEAR INSTALLATIONS.

LIBYA "DEC. 13, 1973 HEALTH LAW." AL-JARIDAH AL-RASMIYAH, VOL. 12, NO. 6
EPA
LR(A) ARABIC 02/18/74 PGS 188-240 ID# 03519A
*GENERAL WATER

POLAND "APRIL 12, 1973 LAW NO. 88 ON THE ESTABLISHMENT OF AN ATOMIC ENERGY AGENCY." DZIENNIK USTAW POLSKIEJ RZECZYPOSPOLITEJ LUDOWEJ, NO. 12, 1973
EPA
LR(A) POLISH 04/18/73 PGS 129-130 ID# 03550A

THIS LAW PROVIDES FOR THE ESTABLISHMENT OF A POLISH ATOMIC ENERGY AGENCY, SUBORDINATE TO THE CHAIRMAN OF THE COUNCIL OF MINISTERS, TO SERVE AS THE CENTRAL STATE AUTHORITY FOR MATTERS PERTAINING TO THE DEVELOPMENT OF ATOMIC ENERGY IN POLAND. THE AGENCY'S RESPONSIBILITIES INCLUDE THE ORGANIZATION OF THE PRODUCTION OF RADIOACTIVE SUBSTANCES, APPARATUS, AND OTHER MATERIALS USED IN NUCLEAR TECHNOLOGY; ENSURING THE PROTECTION AGAINST IONIZING RADIATIONS; AND COOPERATION WITH COMPETENT MINISTERS OR HEADS OF GOVERNMENT IN RESOLVING PROBLEMS RELATING TO THE UTILIZATION OF ATOMIC ENERGY AND PROTECTION AGAINST IONIZING RADIATIONS. THE SPECIFIC SPHERE OF ACTIVITIES OF THE AGENCY IS TO BE LAID DOWN, BY WAY OF ORDINANCE, BY THE COUNCIL OF MINISTERS.

POLAND "MAY 31, 1973 ORDINANCE NO. 128 OF THE COUNCIL OF MINISTERS CONCERNING THE SPECIFIC SPHERE OF ACTIVITIES OF THE ATOMIC ENERGY AGENCY." DZIENNIK USTAW, NO. 22, 1973
EPA
LR(A) POLISH 06/08/73 PGS 253-254 ID# 03550B

THIS ORDINANCE IMPLEMENTS THE PROVISIONS OF THE POLISH ATOMIC ENERGY AGENCY LAW OF APRIL 12, 1973 AND FURTHER SPECIFIES THE FUNCTIONS FALLING WITHIN THE SPHERE OF ACTIVITIES OF THE AGENCY. THESE FUNCTIONS ARE: THE ORGANIZATION OF THE PRODUCTION AND DISTRIBUTION OF RADIOACTIVE SUBSTANCES, APPARATUS, AND MATERIALS FOR USE IN NUCLEAR TECHNOLOGY; ORGANIZATION OF THE PRODUCTION OF DEVICES FOR PROTECTION AGAINST RADIATION; SUPERVISION OF THE CORRECT UTILIZATION, STORAGE, AND TRANSPORT OF RADIOACTIVE SUBSTANCES AS WELL AS SAFETY TECHNIQUES IN NUCLEAR INSTALLATIONS; ORGANIZATION OF RADIOACTIVE WASTE DISPOSAL AND MANAGEMENT; THE ORGANIZATION AND COORDINATION OF RADIATION MONITORING IN POLAND; AND THE FORMULATION OF RECOMMENDATIONS CONCERNING THE LOCATION AND OPERATING CONDITIONS OF NUCLEAR INSTALLATIONS.

CANADA

THE REMOVAL AND RECOVERY OF METALS FROM SLUDGE AND SLUDGE INCINERATOR ASH.
RESEARCH REPORT NO. 33
OLIVER, BARRY G., AND JOHN H. CAREY EPA
SE( ) ENGLISH 02/00/76 PGS 1-58 ID# 03544A
ALSO ST
*WATER TOXIC SUBS

GREAT BRITAIN

FIRST REPORT (OF THE WASTE MANAGEMENT ADVISORY COUNCIL)
GREAT BRITAIN. WASTE MANAGEMENT ADVISORY COUNCIL EPA
PH(B) ENGLISH 00/00/76 PGS 1-51 ID# 03486A

THE WASTE MANAGEMENT ADVISORY COUNCIL WAS APPOINTED IN DECEMBER 1974 BY THE SECRETARY OF STATE FOR THE ENVIRONMENT AND THE SECRETARY OF STATE FOR INDUSTRY TO REVIEW THE WASTE MANAGEMENT SITUATION IN GREAT BRITAIN AND TO MAKE RECOMMENDATIONS. THE COUNCIL CONCENTRATED ON MEASURES TO REDUCE THE INITIAL OCCURRENCE OF WASTE AND TO INCREASE WASTE RECLAMATION, PAYING PARTICULAR ATTENTION TO THE EFFECTIVE RE-UTILIZATION OF HOUSEHOLD WASTES. CHAPTERS OF THE REPORT DISCUSS THE WASTE PROBLEM; ECONOMIC ASPECTS OF RECLAMATION; CURRENT RECLAMATION ACTIVITIES; WASTE SEPARATION; USE OF WASTE AS RAW MATERIAL; USE OF WASTE AS FUEL; WASTE PREVENTION; RESEARCH AND DEVELOPMENT; AND INFORMATION, PUBLICITY AND EDUCATION. THE INITIAL CHAPTER SUMMARIZES CONCLUSIONS AND RECOMMENDATIONS OF THE COUNCIL'S RESEARCH. FURTHER COUNCIL REPORTS ARE ANTICIPATED AS RESEARCH CONTINUES.

SPAIN

"NOVEMBER 19, 1975 LAW NO. 42 ON URBAN SOLID WASTES AND RESIDUES." BOLETIN OFICIAL DEL ESTADO, NO. 280
EPA
LR(A) SPANISH 11/21/75 PGS 24360-64 ID# 03532A

THIS LAW SETS FORTH THE LEGAL AND ADMINISTRATIVE PROVISIONS FOR THE COLLECTION, TREATMENT, DISPOSAL AND RECYCLING OF URBAN SOLID WASTES IN SPAIN. THE INTRODUCTION TO THE LAW SUMMARIZES THE TEXT AND DISCUSSES THE BACKGROUND AND RELATED LEGISLATION PERTAINING TO SOLID WASTE DISPOSAL AS WELL AS THE NECESSITY FOR PREVENTING NEGATIVE ENVIRONMENTAL IMPACTS FROM SOLID WASTE DISPOSAL. RATHER THAN CREATING NEW MECHANISMS FOR SOLID WASTE DISPOSAL, THE NEW LAW CLARIFIES THE REPONSIBILITY OF MUNICIPAL COUNCILS (AYUNTAMIENTOS) FOR SOLID WASTE DISPOSAL IN ACCORDANCE WITH THE LOCAL GOVERNMENT LAW AND IN COOPERATION WITH PROVINCIAL AND NATIONAL GOVERNMENTS. THE CONCEPTS OF URBAN SOLID WASTES ARE DEFINED, THE ECONOMIC AND FINANCIAL MEASURES ARE DELIMITED AND THE SYSTEM OF PERMITS FOR SOLID WASTE DISPOSAL AND FOR SOLID WASTE RECYCLING IS EXPLAINED. PROVISIONS CONCERNING SANCTIONS AGAINST CONTRAVENORS, APPEAL PROCEDURES AND REGULATIONS ARE ALSO CONTAINED IN THE LAW.

BELGIUM "FEBRUARY 9, 1976 CROWN DECREE ON THE GENERAL REGULATION OF TOXIC WASTES."
MONITEUR BELGE

LR(A) FRENCH* 02/14/76 PGS 1650-57 EPA ID# 032188
*ALSO FLEMISH

THIS DECREE, ISSUED IN PURSUANCE OF THE JULY 22, 1974 LAW ON TOXIC WASTES, CONTAINS A DEFINITION OF THOSE WASTES WHICH ARE TO BE REGARDED AS TOXIC AND REGULATES THESE SUBSTANCES' SALE, POSSESSION AND DESTRUCTION. PROVISIONS CONCERN AUTHORIZATION REQUIREMENTS TO WHICH THE OPERATION OF WASTE DEPOTS AND ELIMINATION INSTALLATIONS ARE SUBJECTED, THE LICENSING PROCEDURES FOR SUCH OPERATIONS, AND THE LICENSING PROCEDURES FOR THE ACQUISITION AND IMPORTATION OF TOXIC WASTES. A FINAL SECTION OF THE DECREE DEALS WITH THE IMPLEMENTATION OF THE VARIOUS PROVISIONS AND ASSIGNS RESPONSIBILITY FOR THE SURVEILLANCE OF THEIR PROPER EXECUTION TO THE FOLLOWING MINISTRIES: LABOR AND EMPLOYMENT, FINANCES, PUBLIC HEALTH, COMMUNICATIONS, AGRICULTURE, PUBLIC WORKS, AND ECONOMIC AFFAIRS.

CANADA THE REMOVAL AND RECOVERY OF METALS FROM SLUDGE AND SLUDGE INCINERATOR ASH.
RESEARCH REPORT NO. 33
OLIVER, BARRY G., AND JOHN H. CAREY

SE( ) ENGLISH 02/00/76 PGS 1-58 EPA ID# 03544A
ALSO ST
*WATER SOLID WASTE

CANADA LAND DISPOSAL OF SEWAGE SLUDGE, VOLUME III. RESEARCH REPORT NO. 35

ST( ) ENGLISH 02/00/76 PGS 1-282 EPA ID# 03526A

AS PART OF THE RESEARCH PROGRAM FOR THE ABATEMENT OF MUNICIPAL POLLUTION, UNDER THE PROVISIONS OF THE CANADA-ONTARIO AGREEMENT ON GREAT LAKES WATER QUALITY, THIS RESEARCH REPORT COVERS RUNOFF STUDIES WITH FALL, WINTER AND SPRING APPLIED SEWAGE SLUDGE, AND FIELD RATE AND SOURCE OF SLUDGE STUDIES WITH BROMEGRASS AND CORN ON LOAM SOILS. A GREENHOUSE TRIAL WITH DIFFERENT RATES AND SOURCES OF SLUDGE ON TWO SOILS AT THREE PH LEVELS IS ALSO REPORTED. FLUID DIGESTED SEWAGE SLUDGES TREATED WITH CALCIUM OXIDE, ALUMINUM SULPHATE AND FERRIC CHLORIDE WERE USED IN THE STUDIES. CHEMICAL ANALYSES OF THE SLUDGE, SOIL NITROGEN, CROP YIELDS AND NUTRIENT AND METAL CONTENT OF CROPS ARE PRESENTED ALONG WITH MICROBIAL STUDIES OF THE SLUDGE AND THE CROPS GROWN. DETAILED DESCRIPTIONS OF THE SOILS USED ARE ALSO PRESENTED.

INTERNATIONAL
PH(B)

"CLEAN UP THE RHINE?" LE MONDE
AMBROISE-RENDU, MARC
FRENCH 04/03/76 PGS 27 EPA ID# 03497A
*WATER

INTERNATIONAL
ST( )

PCB CONFERENCE II
SWEDEN. NATIONAL ENVIRONMENT PROTECTION BOARD
ENGLISH 03/00/73 PGS 1-138 EPA ID# 03521A

THIS PUBLICATION CONTAINS A COLLECTION OF LECTURES GIVEN AT A SPECIAL CONFERENCE ON POLYCHLORINATED BIPHENYLS HELD IN STOCKHOLM ON DECEMBER 14, 1972. THE FOLLOWING SUBJECTS ARE DEALT WITH: PROBLEMS IN THE QUANTIFICATION OF PCB IN BIOLOGICAL MATERIAL; PCB IN AIRBORNE FALLOUT; PCB IN THE FINNISH ENVIRONMENT; MONITORING PCB IN WATER AND WILDLIFE; PCB IN MAMMALS AND BIRDS IN THE NETHERLANDS; PCB IN SOME SWEDISH TERRESTRIAL ORGANISMS; PCB IN COASTAL AREAS OF THE BALTIC; POSSIBLE HEALTH HAZARDS OF PCB; SYNTHESIS OF 14 C-LABELED AND UNLABELED PCB COMPOUNDS; THE DISTRIBUTION AND METABOLISM OF LABELED PCB'S IN MICE AND QUAILS; THE METABOLISM AND DISTRIBUTION OF 2,4,5,2',5'-PCB IN THE MOUSE; AND EFFECTS OF PCB ON MAMMALIAN REPRODUCTION.

WATER

BELGIUM
LR(A)

"JANUARY 23, 1975 MINISTERIAL DECREE REGULATING THE SPECIFIC DISCHARGE CONDITIONS FOR WASTEWATERS FROM THE DAIRY INDUSTRY." LE MONITEUR BELGE
FRENCH* 02/19/75 PGS 1867 EPA ID# 00549J
*ALSO FLEMISH

THIS DECREE, ISSUED IN PURSUANCE OF THE MARCH 26, 1971 LAW ON THE PROTECTION OF SURFACE WATERS FROM POLLUTION, SETS FORTH CERTAIN RESTRICTIONS WITH RESPECT TO THE DISCHARGE OF DAIRY INDUSTRY WASTEWATERS INTO PUBLIC SEWERS AND SURFACE WATERS. PROHIBITED BY THE DECREE IS THE DISCHARGE OF SERUM INTO ALL PUBLIC SEWERS. FURTHER RESTRICTIONS CONCERN THE VOLUME OF SEDIMENTARY MATERIALS, WHICH MAY NOT EXCEED 0.5 ML. PER LITER OF EFFLUENT TREATED OVER A TWO HOUR STATIC SEDIMENTATION, AND THE CHEMICAL OXYGEN DEMAND OF WASTEWATERS, WHICH MAY NOT EXCEED 120 MG. PER LITER.

CANADA "ARCTIC POLLUTION PENALTIES 'NO DETERRENT' TO INDUSTRY." THE CITIZEN
MA, JOE EPA
LR(B) ENGLISH 02/18/76 PGS 38 ID# 03495A
LAND USE

BECAUSE OF HIGH OPERATING COSTS AND THE SHORT PERIODS OF GOOD OPERATION CONDITIONS, ARCTIC INDUSTRIES, IN ATTEMPTING TO ACCOMPLISH AS MUCH AS POSSIBLE IN A SHORT TIME, WILL SOMETIMES CUT BACK ON ENVIRONMENTAL SAFEGUARDS. OBSERVING THAT ONLY FOUR OR FIVE OIL COMPANIES HAVE BEEN PROSECUTED IN THE LAST FOUR YEARS FOR VIOLATING ANTIPOLLUTION REGULATIONS OF THE CANADIAN FISHERIES ACT, THIS BRIEF ARTICLE CRITICIZES GOVERNMENT LENIENCY IN THIS REGARD AND STATES THAT POLLUTION PENALTIES ARE NOT USUALLY A DETERRENT TO LARGE COMPANIES WHICH CONSIDER THE OMISSION OF ENVIRONMENTAL SAFEGUARDS AS CALCULATED ECONOMIC RISKS.

CANADA FISHERIES RESEARCH BOARD OF CANADA. ANNUAL REPORT 1974
EPA
PM(B) ENGLISH* 00/00/75 PGS 1-17 ID# 03502A
ALSO PMA/*ALSO FRENCH

THE FISHERIES RESEARCH BOARD OF CANADA, IN ITS ROLE AS A MECHANISM FOR THE EXTERNAL REVIEW AND ASSESSMENT OF NATIONAL FISHERIES AND MARINE ACTIVITIES IN CANADA, ADVISES THE CANADIAN GOVERNMENT IN THE FORMULATION OF FISHERIES PLANNING PROGRAMS AND POLICIES. THE ACTIVITIES AND CONCERNS OF THE BOARD IN THIS REGARD DURING 1974 ARE HIGHLIGHTED IN THIS REPORT. THE GENERAL ADMINISTRATIVE AND MANAGERIAL DUTIES OF THE BOARD ARE GOVERNED BY THREE STANDING COMMITTEES. FOUR STUDY COMMITTEES CONDUCT RESEARCH ON AQUATIC RESOURCES MANAGEMENT AND UTILIZATION, AQUATIC ENVIRONMENTAL QUALITY, AND OCEANOGRAPHY. THE BOARD'S COMMENTS AND RECOMMENDATIONS CONCERNING THE ADMINISTRATIVE ORGANIZATION OF MARINE AFFAIRS, RESEARCH NEEDS, IMPROVED INTERDEPARTMENTAL COMMUNICATIONS AND RELATIONSHIPS IN MARINE MANAGEMENT, FUTURE PLANS, AND NATIONAL AND INTERNATIONAL ISSUES ON MARINE AFFAIRS ARE DISCUSSED. BOARD MEMBERS, OFFICERS, COMMITTEE MEMBERS AND BOARD MEETINGS DURING 1974 ARE ALSO LISTED IN THE REPORT.

CANADA REVIEW OF PETROLEUM SPILL CONTAINMENT DYKES IN THE NORTH.
ECONOMIC AND TECHNICAL REVIEW REPORT EPS 3-EE-74-1
CANADA. ENVIRONMENT CANADA EPA
PM(B) ENGLISH 09/00/74 PGS 1-47 ID# 03505A
ALSO ST

PREPARED BY THE ENVIRONMENTAL EMERGENCY BRANCH OF THE CANADIAN ENVIRONMENTAL PROTECTION SERVICE, THIS ECONOMICAL AND TECHNICAL REVIEW REPORT REVIEWS THE DESIGN, CONSTRUCTION AND MAINTENANCE OF SPILL CONTAINMENT DIKES IN THE ARCTIC. THE REVIEW IS BASED ON A BRIEF SURVEY OF THE TECHNIQUES AND PRACTICES PRESENTLY USED BY THE PETROLEUM, MINING AND TRANSPORTATION COMPANIES AS WELL AS GOVERNMENT AGENCIES THAT ARE OPERATING IN NORTHERN CANADA. THE SURVEY REVEALED THAT THERE IS NO UNIFIED APPROACH. IT WAS CONCLUDED THAT THERE IS A NEED FOR DISCUSSION BETWEEN INDUSTRY AND THE REGULATORY BODIES IN ORDER TO ARRIVE AT MINIMUM STANDARDS FOR PETROLEUM PRODUCT SPILL CONTAINMENT DIKES IN THE ARCTIC. SOME AREAS REQUIRING FURTHER RESEARCH AND DEVELOPMENT WORK ARE IDENTIFIED. THE REPORT IS ILLUSTRATED BY TABLES AND FIGURES, AND APPENDIXES TO THE REPORT LIST PROPOSED LEGISLATION FOR DIKES AROUND TANKS, GIVE A SAMPLE SURVEY QUESTIONNAIRE USED IN PREPARATION OF THE REPORT, AND CITE EXISTING LITERATURE ON THE SUBJECT.

CANADA

SPILL TECHNOLOGY NEWSLETTER
CANADA. ENVIRONMENTAL EMERGENCY BRANCH EPA
PM(8) ENGLISH 00/00/00 PGS ID# 03509A
ALSO ST AND PMA

THIS BIMONTHLY NEWSLETTER, BEGINNING PUBLICATION WITH THE JANUARY-FEBRUARY ISSUE OF 1976, IS PUBLISHED BY THE ENVIRONMENTAL EMERGENCY BRANCH OF THE CANADIAN ENVIRONMENTAL PROTECTION SERVICE AND IS INTENDED TO KEEP THE READER ABREAST OF CURRENT ACTIVITIES CONCERNING OIL SPILL CONTROL AND PREVENTION WITH PARTICULAR EMPHASIS PLACED ON OIL SPILL COUNTERMEASURES RESEARCH AND TECHNOLOGY. THE NEWSLETTER IS INTENDED TO BE INFORMAL, INVITING THE SUBMISSION OF SHORT ARTICLES FROM READERS. IN THIS REGARD IT IS INTENDED TO SERVE AS A MEDIUM FOR THE EXCHANGE OF NEWS, VIEWS, INQUIRIES AND INFORMATION ON OIL SPILL TECHNOLOGY; TO OUTLINE FUTURE RESEARCH AND DEVELOPMENT PLANS OF PUBLIC AND PRIVATE GROUPS; AND TO PROVIDE UPDATES ON SUCH MATTERS AS THE LATEST LITERATURE AND UPCOMING CONFERENCES.

CANADA

"CONTRACT SIGNING LAUNCHES NEW PROGRAM." ENVIRONMENT CANADA NEWS RELEASE, NO. 104
CANADA. ENVIRONMENT CANADA EPA
PM(8) ENGLISH 08/22/75 PGS 1-2 ID# 03534A

CANADA'S ENVIRONMENT MINISTER HAS LAUNCHED THE DEPARTMENT'S NEW DEVELOPMENT AND DEMONSTRATION OF POLLUTION ABATEMENT TECHNOLOGY (DPAT) PROGRAM WITH THE SIGNING OF A $1,158,000 CONTRACT WITH THE GREAT LAKES PAPER COMPANY LTD. OF THUNDER BAY. UNDER THE TERMS OF THIS COST-SHARING AGREEMENT, THE PAPER COMPANY WILL BE INSTALLING FACILITIES IN THEIR NEW MILL THAT SHOULD PERMIT COMPLETE RECYCLING OF ALL THE PROCESS EFFLUENTS. THE ONLY LIQUID DISCHARGE WOULD BE ESSENTIALLY CLEAN WATER FOR COOLING PURPOSES. THE DPAT CONTRACT STIPULATES THE PAPER COMPANY WILL EVALUATE AND DOCUMENT THEIR EXPERIENCES WITH THE PROCESS, WITH PARTICULAR EMPHASIS ON DESCRIBING OPERATIONAL AND EQUIPMENT LIMITATIONS. ENVIRONMENT CANADA'S DPAT PROGRAM IS DESIGNED TO STIMULATE THE DEVELOPMENT AND DEMONSTRATION OF INNOVATIVE POLLUTION ABATEMENT TECHNOLOGY BY PAYING A PERCENTAGE OF THE REQUIRED CAPITAL AND OPERATING COSTS INVOLVED IN GETTING IT ON STREAM.

CANADA

SURFACE WATER DATA. BRITISH COLUMBIA 1974. WATER SURVEY OF CANADA
EPA
PM(8) ENGLISH 00/00/75 PGS 1-338 ID# 03539A
ALSO ST

PUBLISHED ANNUALLY BY THE WATER RESOURCES BRANCH OF THE CANADIAN DEPARTMENT OF THE ENVIRONMENT, THIS REPORT PRESENTS THE TABULATED RESULTS OF THE HYDROMETRIC SURVEY INVESTIGATIONS WHICH WERE MADE IN THE CANADIAN PROVINCE OF BRITISH COLUMBIA DURING 1974 AS PART OF THE WATER SURVEY OF CANADA. INTRODUCTORY INFORMATION CONTAINED IN THE SURVEY REPORT BRIEFLY DESCRIBES THE ORGANIZATION, HISTORY AND PUBLICATION OF HYDROMETRIC SURVEY OPERATIONS IN CANADA AND DEFINES THE TERMS, ABBREVIATIONS, EQUIVALENCY VALUES AND METHODS USED IN TABULATING THE COLLECTED DATA. THE BODY OF THE SURVEY REPORT CONTAINS THE TABLES OF DAILY WATER LEVEL OR DISCHARGE MEASUREMENTS FOR EACH REPORTING STATION ALONG WITH CORRESPONDING MONTHLY AND ANNUAL SUMMARIES OF DATA AS WELL AS DESCRIPTIVE INFORMATION ABOUT THE MEASURING STATIONS WHERE DATA WAS COLLECTED. TABLES ARE PRESENTED IN ALPHABETICAL ORDER ACCORDING TO THE NAME OF MEASURING STATION.

CANADA

SURFACE WATER DATA. ALBERTA 1974. WATER SURVEY OF CANADA

EPA

PM(B) ENGLISH 00/00/75 PGS 1-208 ID# 03540A
ALSO ST

PUBLISHED ANNUALLY BY THE WATER RESOURCES BRANCH OF THE CANADIAN DEPARTMENT OF THE ENVIRONMENT, THIS REPORT PRESENTS THE TABULATED RESULTS OF THE HYDROMETRIC SURVEY INVESTIGATIONS WHICH WERE MADE IN THE PROVINCE OF ALBERTA DURING 1974 AS PART OF THE WATER SURVEY OF CANADA. INTRODUCTORY INFORMATION CONTAINED IN THE SURVEY REPORT BRIEFLY DESCRIBES THE ORGANIZATION, HISTORY AND PUBLICATION OF HYDROMETRIC SURVEY OPERATIONS IN CANADA AND DEFINES THE TERMS, ABBREVIATIONS, EQUIVALENCY VALUES AND METHODS USED IN TABULATING THE COLLECTED DATA. THE BODY OF THE SURVEY REPORT CONTAINS THE TABLES OF DAILY WATER LEVEL OR DISCHARGE MEASUREMENTS FOR EACH REPORTING STATION ALONG WITH CORRESPONDING MONTHLY AND ANNUAL SUMMARIES OF DATA AS WELL AS DESCRIPTIVE INFORMATION ABOUT THE MEASURING STATIONS WHERE DATA WAS COLLECTED. TABLES ARE PRESENTED ALPHABETICALLY ACCORDING TO THE NAME OF MEASURING STATION.

CANADA

SURFACE WATER DATA. YUKON AND NORTHWEST TERRITORIES 1974. WATER SURVEY OF CANADA

EPA

PM(B) ENGLISH 00/00/75 PGS 1-62 ID# 03541A
ALSO ST

PUBLISHED ANNUALLY BY THE WATER RESOURCES BRANCH OF THE CANADIAN DEPARTMENT OF THE ENVIRONMENT, THIS REPORT PRESENTS THE TABULATED RESULTS OF THE HYDROMETRIC SURVEY INVESTIGATIONS WHICH WERE MADE IN THE YUKON AND NORTHWEST TERRITORIES OF CANADA AS PART OF THE WATER SURVEY OF CANADA. INTRODUCTORY INFORMATION CONTAINED IN THE SURVEY REPORT BRIEFLY DESCRIBES THE ORGANIZATIONS, HISTORY, AND PUBLICATION OF HYDROMETRIC SURVEY OPERATIONS IN CANADA AND DEFINES THE TERMS, ABBREVIATIONS, EQUIVALENCY VALUES AND METHODS USED IN TABULATING THE COLLECTED DATA. THE BODY OF THE SURVEY REPORT CONTAINS THE TABLES OF DAILY WATER LEVEL OR DISCHARGE MEASUREMENTS FOR EACH REPORTING STATION ALONG WITH CORRESPONDING MONTHLY AND ANNUAL SUMMARIES OF DATA AND DESCRIPTIVE INFORMATION ABOUT THE MEASURING STATIONS WHERE DATA WAS COLLECTED. TABLES ARE PRESENTED ALPHABETICALLY ACCORDING TO THE NAME OF MEASURING STATION.

CANADA

A STATISTICAL ESTIMATION OF A DEMAND FUNCTION FOR RESIDENTIAL WATER.
SOCIAL SCIENCE SERIES NO. 11
KITCHEN, HARRY M.

EPA

SE( ) ENGLISH* 00/00/75 PGS 1-9 ID# 03503A
*ALSO FRENCH

THE OBJECTIVE OF THIS REPORT IS TO DEFINE AND STATISTICALLY TEST THE INFLUENCE OF CLIMATIC FACTORS, POPULATION, HOUSEHOLD SIZE, INCOME AND PRICE ON THE RESIDENTIAL DEMAND FOR WATER IN CENTERS IMPOSING FLAT-RATE CHARGES AND IN METERED CENTERS. SEPARATE MODELS ARE TESTED FOR CENTERS IMPOSING FLAT-RATE CHARGES AND FOR METERED CENTERS, AND IN ORDER TO TEST THE IMPACT OF METERING PER SE, A COMPOSITE MODEL IN WHICH ALL CENTERS ARE INCLUDED IS CONSTRUCTED. SINCE THERE IS SOME ECONOMIC INCENTIVE FOR CONSUMER REGULATION OF WATER USE IN METERED CENTERS, CONSUMPTION PATTERNS IN THESE CENTERS DO NOT EXHIBIT WIDE RANDOM VARIANCE AS IS THE CASE IN FLAT-RATE CENTERS. HOWEVER THE RELATIONSHIP OF COST TO CONSUMPTION THAT IS HYPOTHESIZED IN THE TESTED MODEL WAS NOT APPARENT IN THE ACTUAL RESULTS OF TESTING. NEVERTHELESS, IT IS SHOWN THAT WATER CONSUMPTION IS SUBJECT TO SOME ECONOMIC CONSIDERATION IN METERED AREAS. THE STUDY ALSO INDICATES LESS WATER CONSUMPTION WHERE PUBLIC WATER CONSERVATION EFFORTS ARE EMPLOYED.

CANADA

THE REMOVAL AND RECOVERY OF METALS FROM SLUDGE AND SLUDGE INCINERATOR ASH.
RESEARCH REPORT NO. 33
OLIVER, BARRY G., AND JOHN H. CAREY EPA
SE( ) ENGLISH 02/00/76 PGS 1-58 ID# 03544A
ALSO ST
SOLID WASTE TOXIC SUBS

AS PART OF THE RESEARCH PROGRAM FOR THE ABATEMENT OF MUNICIPAL POLLUTION, UNDER THE PROVISIONS OF THE CANADA-ONTARIO AGREEMENT ON GREAT LAKES WATER QUALITY, THIS RESEARCH REPORT EXAMINES THE ECONOMIC VIABILITY OF REMOVING HARMFUL OR REUSABLE SUBSTANCES FROM WET SLUDGE AND INCINERATED SLUDGE BY CHEMICAL AND ELECTROCHEMICAL PROCESSES. IN THE CASE OF WET SLUDGE, PROCESSING COSTS FOR THE LARGE VOLUMES OF DILUTE LEACHATE, INTO WHICH SLUDGE MUST BE CONVERTED, WOULD BE HIGH, AND THE REMOVAL OF HEAVY METALS FROM WET SLUDGE TO REDUCE THEIR TOXICITY DOES NOT APPEAR TO BE ECONOMICALLY FEASIBLE. WHILE THE PROCESSING COSTS FOR INCINERATOR ASH ARE MUCH LESS THAN THOSE FOR WET SLUDGE, THE PROCEDURE, NEVERTHELESS, DOES NOT APPEAR TO BE ECONOMICALLY VIABLE EXCEPT FOR VERY LARGE TREATMENT PLANTS BECAUSE OF THE COMPLEXITIES INVOLVED IN PROCESSING.

CANADA

SURFACE WATER DATA: ONTARIO 1974. WATER SURVEY OF CANADA
EPA
ST( ) ENGLISH 00/00/75 PGS 1-233 ID# 03483A
ALSO PMB

PUBLISHED ANNUALLY BY THE WATER RESOURCES BRANCH OF THE CANADIAN DEPARTMENT OF THE ENVIRONMENT, THIS REPORT PRESENTS THE TABULATED RESULTS OF THE HYDROMETRIC SURVEY INVESTIGATIONS MADE IN THE CANADIAN PROVINCE OF ONTARIO AND AT A FEW STATIONS OPERATED IN QUEBEC, AS PART OF THE WATER SURVEY OF CANADA. INTRODUCTORY INFORMATION CONTAINED IN THE SURVEY REPORT BRIEFLY DESCRIBES THE ORGANIZATION, HISTORY, AND PUBLICATION OF HYDROMETRIC SURVEY OPERATIONS IN CANADA AND DEFINES THE TERMS, ABBREVIATIONS, EQUIVALENCY VALUES AND METHODS USED IN TABULATING THE COLLECTED DATA. THE BODY OF THE SURVEY REPORT CONTAINS THE TABLES OF DAILY WATER LEVEL OR DISCHARGE MEASUREMENTS FOR EACH REPORTING STATION ALONG WITH CORRESPONDING MONTHLY AND ANNUAL SUMMARIES OF DATA AND DESCRIPTIVE INFORMATION ABOUT THE MEASURING STATIONS WHERE DATA WAS COLLECTED. TABLES ARE PRESENTED IN ALPHABETICAL ORDER ACCORDING TO THE NAME OF THE MEASURING STATION.

CANADA

SURFACE WATER DATA: ATLANTIC PROVINCES 1974. WATER SURVEY OF CANADA
EPA
ST( ) ENGLISH 00/00/75 PGS 1-93 ID# 03484A
ALSO PMB

PUBLISHED ANNUALLY BY THE WATER RESOURCES BRANCH OF THE CANADIAN DEPARTMENT OF THE ENVIRONMENT, THIS REPORT PRESENTS THE TABULATED RESULTS OF THE HYDROMETRIC SURVEY INVESTIGATIONS WHICH WERE MADE IN THE ATLANTIC PROVINCES OF CANADA DURING 1974 AS PART OF THE WATER SURVEY OF CANADA. INTRODUCTORY INFORMATION CONTAINED IN THE SURVEY REPORT BRIEFLY DESCRIBES THE ORGANIZATION, HISTORY, AND PUBLICATION OF HYDROMETRIC SURVEY OPERATIONS IN CANADA AND DEFINES THE TERMS, ABBREVIATIONS, EQUIVALENCY VALUES AND METHODS USED IN TABULATING THE COLLECTED DATA. THE BODY OF THE SURVEY REPORT CONTAINS THE TABLES OF DAILY WATER LEVEL OR DISCHARGE MEASUREMENTS FOR EACH REPORTING STATION ALONG WITH CORRESPONDING MONTHLY AND ANNUAL SUMMARIES OF DATA AND DESCRIPTIVE INFORMATION ABOUT THE MEASURING STATIONS WHERE DATA WAS COLLECTED. TABLES ARE PRESENTED ALPHABETICALLY ACCORDING TO THE NAME OF THE MEASURING STATION.

CANADA

"THE GENERAL PHYSICAL AND CHEMICAL DATA FOR WATER AND SEDIMENT OF THE MACKENZIE AND PORCUPINE WATERSHEDS ... PART I AND II." TECHNICAL REPORT NO. 556
CAMPBELL, P., AND OTHERS
EPA
ST( ) ENGLISH 00/00/75 PGS 1-396 ID# 03494A

THIS REPORT IS THE TWELFTH IN A SERIES OF 13 REPORTS ON ECOLOGICAL STUDIES OF AQUATIC SYSTEMS IN THE MACKENZIE AND PORCUPINE DRAINAGES IN RELATION TO PROPOSED PIPELINE AND HIGHWAY DEVELOPMENTS. THE REPORT CONTAINS A COMPILATION OF PHYSICAL AND CHEMICAL DATA ON RIVER, STREAM AND LAKE WATERS, BOTTOM, SHORE AND BANK SEDIMENTS AND RATES OF TRANSPORT OF DISSOLVED AND SUSPENDED ELEMENTS AT SELECTED STATIONS IN THESE WATERSHEDS DURING 1971-1974. INTERPRETATION OF THE DATA PRESENTED HERE AND ITS RELATION TO PARALLEL BIOLOGICAL STUDIES ARE REPORTED IN PRECEDING REPORTS. THE DATA FOR THIS REPORT WERE OBTAINED AS A RESULT OF INVESTIGATIONS CARRIED OUT UNDER THE GOVERNMENT OF CANADA ENVIRONMENTAL-SOCIAL PROGRAM, NORTHERN PIPELINES, TASK FORCE ON NORTHERN OIL DEVELOPMENT. (FULL TITLE IS: GENERAL PHYSICAL AND CHEMICAL DATA FOR WATER AND SEDIMENT OF THE MACKENZIE AND PORCUPINE WATERSHEDS AND RATES OF TRANSPORT OF DISSOLVED AND SUSPENDED ELEMENTS AT SELECTED STATIONS IN THE MACKENIZE AND PORCUPINE WATERSHEDS 1971-1974.)

CANADA

UTILIZATION OF ALUMIZED RED MUD SOLIDS (ARMS), FOR PHOSPHORUS REMOVAL. TECHNOLOGY DEVELOPMENT REPORT EPS 4-WP-75-2
SHANNON, E. E.
EPA
ST( ) ENGLISH 08/00/75 PGS 1-15 ID# 03499A

ALUMIZED RED MUD SOLIDS (ARMS), A NEW MATERIAL WITH COAGULANT PROPERTIES DERIVED FROM THE WASTE PRODUCT (RED MUD) OF THE BAYER PROCESS FOR PRODUCING ALUMINUM, HAS POTENTIAL APPLICATION IN WASTEWATER TREATMENT SYSTEMS, PARTICULARLY FOR PHOSPHORUS REMOVAL. THIS REPORT, ISSUED IN THE TECHNOLOGY DEVELOPMENT REPORT SERIES BY THE WATER POLLUTION CONTROL DIRECTORATE OF THE CANADIAN ENVIRONMENTAL PROTECTION SERVICE, DESCRIBES PILOT PLANT EXPERIMENTS UTILIZING ARMS TO TREAT MUNICIPAL WASTEWATER. BOD, SUSPENDED SOLIDS AND TOTAL PHOSPHORUS REMOVAL EFFICIENCIES ARE REPORTED AND COMPARED TO RESULTS FROM A SIMILAR ALUMINUM SULPHATE (ALUM) EXPERIMENT. THE FATE OF THE HEAVY METAL IMPURITIES IN THE ARMS WAS ALSO INVESTIGATED. IT WAS CONCLUDED THAT ARMS COULD BE USED IN FULL SCALE PHOSPHORUS REMOVAL SYSTEMS, RESULTING IN CHEMICAL OPERATING COSTS AS MUCH AS FIFTY PERCENT LOWER THAN COMPARABLE ALUM SYSTEMS.

CANADA

REMOTE SENSING OF OIL SPILLS
ECONOMIC AND TECHNICAL REVIEW REPORT EPS 3-EE-74-2
THOMSON, K.P.B., AND OTHERS
ST( ) ENGLISH 12/00/74 PGS 1-22 EPA ID# 03507A

IN BOTH THE ASSESSMENT AND CLEAN-UP OF OIL SPILLS REMOTE SENSING TECHNOLOGY CAN PLAY A VITAL ROLE. THIS REPORT, PREPARED BY THE ENVIRONMENTAL EMERGENCY BRANCH OF THE CANADIAN ENVIRONMENTAL PROTECTION SERVICE, DISCUSSES THE STATE-OF-THE-ART IN THE REMOTE DETECTION OF OIL SPILLS SPECIFICALLY IN TERMS OF CANADIAN EXPERIENCE AND NEEDS. THE ADVANTAGES AND DISADVANTAGES OF THE THREE BASIC TYPES OF SENSOR TECHNIQUES ARE DISCUSSED. THESE ARE PASSIVE IMAGERY TECHNIQUES OPERATING IN THE VISIBLE RANGE OF THE SPECTRUM, MICROWAVE SYSTEMS, AND ACTIVE OR SPECIALIZED TECHNIQUES. SIMPLE AERIAL PHOTOGRAPHY AND SIMILAR TECHNIQUES OPERATING IN THE VISIBLE RANGE OF THE SPECTRUM ARE LIMITED BY WEATHER CONDITIONS AND TO DAYTIME OPERATION. ALL-WEATHER AND NIGHTTIME SENSING AND TO SOME EXTENT THE ESTIMATION OF OIL THICKNESS CAN BE ACCOMPLISHED BY MICROWAVE SYSTEMS. OTHER SPECIALIZED SENSING METHODS DISCUSSED INCLUDE ACTIVE LASER LINE SCANNER SYSTEMS AND LASER FLUOROSENSORS.

CANADA

EFFICIENCY AND RETENTIVITY TESTING AND PERFORMANCE OF SINKING AGENTS IN THE REMOVAL OF OIL SPILLS. ECONOMIC AND TECHNICAL REVIEW REPORT EPS-3-EC-75-1
DICK, JAMES G., AND ANATOL FELDMAN
ST( ) ENGLISH 04/00/75 PGS 1-59 EPA ID# 03508A

PREPARED BY THE ENVIRONMENTAL CONSERVATION DIRECTORATE OF THE CANADIAN ENVIRONMENTAL PROTECTION SERVICE, THIS ECONOMIC AND TECHNICAL REVIEW REPORT DISCUSSES TECHNIQUES FOR THE TESTING OF SINKING AGENTS TO DETERMINE THEIR EFFICIENCY IN THE REMOVAL OF OIL, AND THEIR ABILITY TO RETAIN OIL ONCE REMOVED BY THE ACTION OF SINKING. INFORMATION IS ALSO PROVIDED CONCERNING THE EFFECTS OF: OIL LAYER THICKNESS INITIALLY, FREE FALL DISTANCE FOR THE SINKING AGENT, TEMPERATURE AND OIL TYPE ON THE EFFICIENCY OF REMOVAL AND ON THE RETENTIVITY OF THE SINKING AGENT. SEVERAL TABLES AND FIGURES ILLUSTRATE THE TEXT OF THE REPORT.

CANADA

A STUDY OF THE SOLUBILITY OF OIL IN WATER. TECHNOLOGY DEVELOPMENT REPORT EPS-4-EC-76-1
LU, BENJAMIN C.Y., AND JIRI POLAK
ST( ) ENGLISH 02/00/76 PGS 1-25 EPA ID# 03511A

PREPARED BY THE ENVIRONMENTAL CONSERVATION DIRECTORATE OF THE CANADIAN ENVIRONMENTAL PROTECTION SERVICE, THIS TECHNOLOGY DEVELOPMENT REPORT DESCRIBES EXPERIMENTS CONDUCTED TO DETERMINE THE TOTAL SOLUBILITY OF OIL IN WATER. THE TOTAL SOLUBILITIES OF THREE TYPES OF OILS WERE DETERMINED BY DISSOLUTION TESTS AND BY STATIC EQUILIBRIUM TESTS, BOTH TESTING PROCEDURES ATTAINING SIMILAR RESULTS. THE MAXIMUM SOLUBILITIES AND THE LENGTHS OF TIME IN WHICH THESE SOLUBILITIES WERE ATTAINED WERE ASCERTAINED, AND THE RATES OF REMOVAL OF THE DISSOLVED COMPONENTS FROM SOLUTION IN WATER WERE INVESTIGATED. IT WAS OBSERVED THAT THE TIME DURATION OF REMOVAL WAS ANALAGOUS TO THE TIME DURATION FOR THE ATTAINMENT OF MAXIMUM CONCENTRATION. TRACES OF SOLUBLE HYDROCARBONS WERE FOUND TO PERSIST FOR AT LEAST 13 DAYS AFTER THEIR INTRODUCTION INTO SOLUTION. THE REPORT IS ILLUSTRATED BY SEVERAL TABLES AND FIGURES IN THE TEXT, AND REFERENCES AND RECOMMENDATIONS FOR FUTURE WORK ARE GIVEN.

CANADA

SPECIES LIST OF AQUATIC PLANTS AND ANIMALS COLLECTED FROM THE MACKENZIE AND PORCUPINE RIVER WATERSHEDS FROM 1971-1973. TECHNICAL REPORT NO. 557
WIENS, A.P., AND OTHERS
EPA
ST( ) ENGLISH 00/00/75 PGS 1-39 ID# 03514A

ISSUED BY THE FISHERIES AND MARINE SERVICE OF ENVIRONMENT CANADA, THIS PUBLICATION IS AN INTERIM LISTING OF THE AQUATIC PLANTS AND INVERTEBRATES COLLECTED AND IDENTIFIED FROM RIVERS AND LAKES IN THE MACKENZIE AND PORCUPINE RIVER WATERSHEDS FROM 1971 TO 1973. A TOTAL OF 381 GENERA AND 464 SPECIES OF INVERTEBRATES WERE FOUND. EACH LISTED ORGANISM IS FOLLOWED BY THE PLACE AND DATE OF COLLECTION.

CANADA

PILOT SCALE EVALUATION OF A PHYSICAL-CHEMICAL WASTEWATER TREATMENT SYSTEM FOR COMBINED SEWER OVERFLOWS. RESEARCH REPORT NO. 36
EPA
ST( ) ENGLISH 00/00/76 PGS 1-96 ID# 03524A

AS PART OF THE RESEARCH PROGRAM FOR THE ABATEMENT OF MUNICIPAL POLLUTION, UNDER PROVISIONS OF THE CANADA-ONTARIO AGREEMENT ON GREAT LAKES WATER QUALITY, THIS RESEARCH REPORT DESCRIBES A TWO-PART PILOT SCALE INVESTIGATION OF THE FEASIBILITY OF USING COARSE SCREENING, MICROSCREENING, AND OZONATION FOR THE TREATMENT OF COMBINED SEWER OVERFLOWS. IN THE FIRST PART OF THE STUDY DIFFERENT CONCENTRATIONS OF COMBINED SEWER OVERFLOWS WERE SIMULATED BY DILUTING RAW SEWAGE WITH DIFFERENT VOLUMES OF TAPWATER. THE AVERAGE REMOVAL EFFICIENCY OF THIS PART OF THE STUDY FOR ALL EXPERIMENTAL CONDITIONS WAS 67 PERCENT BOD REMOVAL, 40 PERCENT SUSPENDED SOLIDS REMOVAL, 26 PERCENT TOTAL PHOSPHORUS REMOVAL AND ALMOST COMPLETE TOTAL COLIFORM REDUCTION. THE SECOND PART OF THE STUDY ADAPTED THE PILOT SCALE TO AN EXISTING COMBINED SEWER OUTFALL, THE MEASURED REMOVAL EFFICIENCY BEING LESS THAN THAT ATTAINED IN THE FIRST PART OF THE STUDY: 29 PERCENT BOD REMOVAL, 30 PERCENT SUSPENDED SOLIDS REMOVAL, 20 PERCENT PHOSPHORUS REMOVAL AND 76 PERCENT FOR COLIFORMS.

CANADA

DIRECT PHYSICOCHEMICAL TREATMENT WITH OZONE. RESEARCH REPORT NO. 32
JONES, J. PETER, AND JEAN DUFORT
EPA
ST( ) ENGLISH 02/00/76 PGS 1-59 ID# 03525A
ALSO SE

AS PART OF THE RESEARCH PROGRAM FOR THE ABATEMENT OF MUNICIPAL POLLUTION, UNDER THE PROVISIONS OF THE CANADA-ONTARIO AGREEMENT ON GREAT LAKES WATER QUALITY, THIS RESEARCH REPORT DESCRIBES A PILOT STUDY OF DIRECT PHYSICOCHEMICAL TREATMENT OF WASTEWATERS USING OZONE. THE APPLICATION OF OZONE TO WASTEWATERS, ALONG WITH CONVENTIONAL PROCESSES, REDUCES THE SOLUBLE BOD5 BY 40 PERCENT. THE AMOUNT OF OZONE NEEDED TO REDUCE THE BOD AND TOD WAS STUDIED, AND IT WAS DEMONSTRATED THAT TREATMENT WITH EIGHT OZONE CONTACT STAGES TO WASTEWATER RESULTED IN AN EFFLUENT WITH A BOD5 OF 16 MG/L. A COMPARATIVE ECONOMIC STUDY WAS MADE OF DIRECT PHYSICOCHEMICAL TREATMENT WITH ACTIVATED CARBON. THE COST OF THE OZONE PROCESS WAS 17 PERCENT HIGHER, BUT THE ADDITIONAL BENEFITS OF OZONATION SUCH AS DISINFECTION AND AERATION COULD WELL OFFSET ITS EXTRA COST.

CANADA

EFFECT OF STORAGE ON STORM AND COMBINED SEWERS. RESEARCH REPORT NO. 34
HENRY, J.G., AND P.A. AHERN
EPA
ST( ) ENGLISH 02/00/76 PGS 1-106 ID# 03543A
ALSO SE

AS PART OF THE RESEARCH PROGRAM FOR THE ABATEMENT OF MUNICIPAL POLLUTION, UNDER THE PROVISIONS OF THE CANADA-ONTARIO AGREEMENT ON GREAT LAKES WATER QUALITY, THIS RESEARCH REPORT INVESTIGATES THE EFFECT OF STORAGE ON STORM AND COMBINED SEWERS FOR A RESIDENTIAL SUBDIVISION OF APPROXIMATELY 100 ACRES UNDER DEVELOPMENT IN SOUTHERN ONTARIO. THE STORAGE METHODS EXAMINED WERE: 1) PONDING OF RAINFALL ON FLAT ROOFS; 2) ON-SITE STORAGE OF ROOF RUNOFF; 3) STORAGE OF FLOWS FROM STREET GUTTERS AT CATCH BASINS; AND 4) HOLDING RESERVOIRS AS PART OF THE SEWER NETWORK. THE EFFECTS OF DIFFERENT STORAGE METHODS ON THE OUTFLOW HYDROGRAPH WERE TESTED FOR SEPARATE STORM SEWERS AND FOR COMBINED STORM AND SANITARY SEWERS, THE RESULTS SHOWING SUBSTANTIAL REDUCTIONS IN PEAK FLOW WHERE THE LEVEL OF STORAGE WAS INCREASED, WITH HOLDING RESERVOIRS PROVIDING THE GREATEST REDUCTIONS, AND ALSO SHOWING SLIGHT COST REDUCTIONS WHERE STORAGE WAS INCORPORATED IN COMBINED SEWER SYSTEMS.

CZECHOSLOVAKIA

"OCTOBER 31, 1974 WATER LAW, NO. 138." SBIRKA ZAKONU CESKOSLOVENSKA SOCIALISTICKA REPUBLIKA, NO. 35, 1973
EPA
LR(A) CZECH* 11/12/73 PGS 546-557 ID# 03515A
*ENGLISH SUMMARY ATTACHED

THIS LAW, PROMULGATED BY THE FEDERAL ASSEMBLY OF THE CZECHOSLOVAK SOCIALIST REPUBLIC, CONTAINS THE BASIC PROVISIONS FOR PUBLIC WATER SUPPLY AND PROTECTION OF SURFACE AND GROUND WATERS AGAINST POLLUTION BY WASTEWATER AND OTHER MATERIALS. CERTAIN OPERATIONS INVOLVING WATER, INCLUDING THE USE OF WATER FOR WASTEWATER DISCHARGES, MUST BE LICENSED BY THE CENTRAL WATER AUTHORITY. THE LAW ALSO PROVIDES FOR THE ESTABLISHMENT OF PROTECTED AREAS REGARDING NATURAL ACQUIFIERS AND ESSENTIAL WATER RESOURCES; DEFINES THE TERM "WASTEWATER" FOR THE PURPOSES OF POLLUTION CONTROL; REQUIRES THAT WATER QUALITY STANDARDS AND REGULATIONS BE PROMULGATED AND OBEYED; AND LAYS DOWN PROVISIONS FOR THE FUNCTION OF PUBLIC SEWERS AND THE PREVENTION OF WATER POLLUTION BY MATERIALS OTHER THAN WASTEWATER. IN ADDITION, THE LAW SPECIFIES THAT GROUNDWATER IS TO BE RESERVED PRIMARILY FOR PUBLIC WATER SUPPLY AND OUTLINES PROVISIONS FOR THE MANAGEMENT AND OPERATION OF PUBLIC WATER MAINS.

WATER

FRANCE "AUGUST 7, 1973 CIRCULAR CONCERNING SUGAR MILLS, SUGAR-BEET FACTORIES, AND SUGAR-BEET DISTILLERIES AND REFINERIES." JOURNAL OFFICIEL

EPA

LR(A) FRENCH 09/29/73 PGS 10551-57 ID# 003790

*AIR NOISE

FRANCE "DECEMBER 31, 1974 DECREE NO. 74-1181 CONCERNING DISCHARGES OF LIQUID RADIOACTIVE EFFLUENTS FROM NUCLEAR INSTALLATIONS." JOURNAL OFFICIEL

EPA

LR(A) FRENCH 01/04/75 PGS 230-232 ID# 004438

RADIATION

THE PROVISIONS OF THIS DECREE REPEAL SECTIONS 2 AND 5 OF THE 1964 WATER LAW (64-1245), INSOFAR AS THEY AFFECT DISCHARGES OF LIQUID RADIOACTIVE EFFLUENTS EMANATING FROM BASIC NUCLEAR INSTALLATIONS AND OTHER NUCLEAR INSTALLATIONS LOCATED ON THE SAME SITE. THE DECREE LAYS DOWN RULES APPLICABLE TO ALL FORMS OF DISCHARGE, DRAINAGE, DISPOSAL AND DEPOSIT OF LIQUID RADIOACTIVE EFFLUENTS. THE PROVISIONS OF THE DECREE DO NOT HOWEVER APPLY TO THE TRANSPORT OF RADIOACTIVE EFFLUENTS, WHICH ARE AND REMAIN SUBJECT TO THE REGULATIONS GOVERNING THE TRANSPORT OF DANGEROUS MATERIALS. DISCHARGES INTO GROUNDWATER OF LIQUID RADIOACTIVE EFFLUENTS ARE PROHIBITED. DISCHARGES INTO CERTAIN DEEP GEOLOGICAL FORMATIONS, SURFACE WATERS, OR MARINE WATERS ARE SUBJECT TO A LICENSE WHICH IS GRANTED BY JOINT ORDER OF THE MINISTERS FOR THE QUALITY OF LIFE, HEALTH, INDUSTRY, AND THE MINISTER RESPONSIBLE FOR THE CONTROL OF THE WATERS INTO WHICH THE EFFLUENTS WILL BE DISCHARGED.

FRANCE "OCTOBER 28, 1975 DECREE NO. 75-996 ON THE IMPLEMENTATION OF THE 1964 LAW ON THE ADMINISTRATION AND DISTRIBUTION OF WATER." JOURNAL OFFICIEL

EPA

LR(A) FRENCH 10/30/75 PGS 11200-02 ID# 00443C

THIS DECREE ON THE IMPLEMENTATION OF THE PROVISIONS CONTAINED IN THE DECEMBER 16, 1964 LAW, ESTABLISHES PROCEDURES FOR THE COMPUTATION OF TAXES AND SUBSIDIES TO BE COLLECTED OR GRANTED FOR WATER QUALITY DETERIORATION OR ENHANCEMENT, RESPECTIVELY. FEES TO BE COLLECTED ANNUALLY ARE TO BE BASED ON THE QUANTITY OF POLLUTION GENERATED ON A NORMAL DAY OF THE MONTH WITH THE HIGHEST DISCHARGE OF POLLUTANTS. POLLUTION OUTPUT, WHICH IS DETERMINED ON A FLAT RATE BASIS, CAN, UNDER SPECIALLY DESIGNATED CIRCUMSTANCES, BE DETERMINED ON AN ACTUAL POLLUTION MEASUREMENT. SUBSIDIES FOR THE TREATMENT OF DOMESTICALLY-GENERATED POLLUTION ARE TO BE BASED ON ELIMINATION OR REDUCTION TOTALS OF AUTHORIZED PER CAPITA POLLUTION ALLOWANCES. THE DECREE IS TO TAKE EFFECT ON JANUARY 1, 1976.

WATER

FRANCE "OCTOBER 28, 1975 DECREE NO. 75-997 ON THE IMPLEMENTATION OF PARAGRAPH 1 OF ARTICLE 14 OF THE DECEMBER 16, 1964 LAW, AS AMENDED." JOURNAL OFFICIEL
EPA
LR(A) FRENCH 10/30/75 PGS 11202 ID# 00443D

ACCORDING TO THE PROVISIONS OF THIS DECREE, NON-DOMESTIC UTILIZATION OF WATER BY SUBSCRIBERS WHO ARE CONNECTED TO THE PUBLIC DISTRIBUTION SERVICE IS TO BE INCORPORATED INTO THE DOMESTIC USE CATEGORY (AS DEFINED BY PARAGRAPH 1 OF ARTICLE 14-1 OF THE 1964 WATER LAW, AS AMENDED) WHENEVER THE ANNUAL CONSUMPTION OF THE SUBSCRIBER IS UNDER 6,000 CUBIC METERS.

FRANCE "OCTOBER 28, 1975 DECREE NO. 75-998 AMENDING DECREES NO. 66-699 AND 66-700 OF SEPTEMBER 14, 1966 ON BASIN COMMITTEES AND FINANCE BASIN AGENCIES." JOURNAL OFFICIEL
EPA
LR(A) FRENCH 10/30/75 PGS 11202-03 ID# 00443E

THIS DECREE, ISSUED IN PURSUANCE OF THE DECEMBER 16, 1964 WATER LAW, SUBSTITUTES THE FOLLOWING PROVISIONS FOR THOSE CONTAINED IN THE FIRST SECTION OF ARTICLE 6 OF THE SEPTEMBER 14, 1966 DECREE ON RIVER BASIN COMMITTEES: THE COMMITTEE IS TO BE CONSULTED BY THE PRESIDENT OF THE ADMINISTRATIVE COUNCIL OF THE FINANCE BASIN AGENCY ON THE TOTAL AMOUNT OF THE FEES TO BE COLLECTED BY THE AGENCY. IT IS ALSO TO BE CONSULTED ON THE BASIS FOR THE ASSESSMENT OF TAXES NOT LEVIED ON ACCOUNT OF A DETERIORATION IN WATER QUALITY. FEES MAY BE COLLECTED FROM EITHER PUBLIC OR PRIVATE LEGAL ENTITIES THAT RENDER IT NECESSARY OR USEFUL FOR THE AGENCY TO INTERVENE.

FRANCE "A MINISTRY OF THE SEA?" LE MONDE
GROSRICHARD, FRANCOIS
EPA
PM(A) FRENCH 03/13/76 PGS 14 ID# 03487A

THE CREATION OF A NEW MINISTRY OF THE SEA, WHICH WOULD BRING TOGETHER RESPONSIBILITIES NOW SHARED AMONG SEVERAL MINISTRIES, IS BEING RE-EXAMINED IN FRANCE AS A RESULT OF THREE EVENTS. THE FIRST IS THE CONFERENCE ON THE LAW OF THE SEA, WHICH IS SCHEDULED TO OPEN ON MARCH 15 IN NEW YORK, AND AT WHICH THE FRENCH DELEGATION MIGHT INSPIRE MORE CREDIBILITY, ACCORDING TO THE AUTHOR, IF HEADED BY A MINISTER OF THE SEA RATHER THAN A STATE SECRETARY OF TRANSPORTATION. THE SECOND IS AN EXHAUSTIVE ADMINISTRATION STUDY ON THE PROBLEMS OF THE SEA WHICH INDICATES THAT THE INTERDEPENDENCE OF MARINE PROBLEMS CALLS FOR A UNIFICATION OF VARIOUS JURISDICTIONS UNDER A SINGLE AUTHORITY. FINALLY, A REPORT ADOPTED AT THE ECONOMIC AND SOCIAL COUNCIL ALSO ADVOCATES THE CREATION OF A MINISTRY OF THE SEA TO ASSUME DUTIES PRESENTLY ATTRIBUTED TO THE MINISTRIES OF TRANSPORTATION, EQUIPMENT, INDUSTRY, AND QUALITY OF LIFE.

WATER

GERMANY,FED REP OF "FEDERALLY UNIFORM RULES FOR THE DISCHARGE OF WASTEWATER WILL SOON APPLY."
STUTTGARTER ZEITUNG

EPA
LR(B) GERMAN 01/12/76 PGS 2 ID# 03383B

THE NEW WATER MANAGEMENT LAW, SCHEDULED FOR PASSAGE BY THE FEDERAL DIET (LOWER HOUSE) OF THE FEDERAL REPUBLIC OF GERMANY ON JANUARY 16, 1976, WILL: A) STIPULATE THE DEVELOPMENT OF MINIMUM STANDARDS FOR DISCHARGED WASTEWATER, B) PROVIDE THAT STATE (LAND) WATER MANAGEMENT PLANS BE SET UP TO ENSURE PUBLIC WATER SUPPLY AND TO CONFORM TO DECISIONS OF THE EUROPEAN COMMUNITY AND C) PLACE MINIMUM REQUIREMENTS ON THE STORAGE OF WATER-ENDANGERING SUBSTANCES. THE MINIMUM REQUIREMENTS FOR WASTEWATER DISCHARGE WOULD BE ISSUED IN ADMINISTRATIVE REGULATIONS AT FEDERAL LEVEL, BUT THE INDIVIDUAL STATES COULD DECIDE THE LENGTH OF TIME ALLOWED FOR CONFORMANCE. THE FEDERAL GOVERNMENT WOULD ALSO SET BASIC PROVISIONS AND MINIMUM CONTENT OF THE STATE WATER MANAGEMENT PLANS IN ADMINISTRATIVE REGULATIONS. THE LAW PROVIDES FOR "INDUSTRIAL WATER PROTECTION OFFICERS" AND MAINTENANCE OF WATER RECORD BOOKS. VIOLATIONS OF THE LAW WOULD BE PUNISHABLE BY A FINE UP TO 100,000 MARKS. THE FEDERAL GOVERNMENT MAINTAINS FRAMEWORK LEGISLATIVE COMPETENCE FOR WATER LAW.

GERMANY,FED REP OF "JANUARY 31, 1975 ORDINANCE ON DRINKING WATER AND UTILITY WATER IN FOODSTUFFS CONCERNS (DRINKING WATER ORDINANCE)." BUNDESGESETZBLATT, I

EPA
LR(A) GERMAN 02/15/75 PGS 453-461 ID# 03551A

THIS ORDINANCE, ISSUED PURSUANT TO THE "JULY 18, 1961 FEDERAL LAW ON CONTAGIOUS DISEASES," ESTABLISHES MICROBIOLOGICAL AND CHEMICAL STANDARDS AND GUIDELINES FOR THE QUALITY OF DRINKING WATER AND OF WATER USED FOR UTILITARIAN PURPOSES IN CONCERNS PRODUCING, PROCESSING, OR INTRODUCING FOODSTUFFS ONTO THE MARKET. SECTIONS OF THE ORDINANCE TREAT: 1) THE QUALITY OF DRINKING WATER, 2) THE QUALITY OF WATER USED FOR UTILITARIAN PURPOSES IN FOODSTUFFS CONCERNS, 3) OBLIGATIONS OF THE ENTREPRENEUR OR OTHER PROPRIETOR OF A WATER SUPPLY INSTALLATION, 4) SUPERVISION OF WATER SUPPLY PLANTS BY THE PUBLIC HEALTH OFFICE TOWARD HYGIENIC ENDS, AND 5) PUNISHABLE OFFENSES AND VIOLATIONS OF THE LAW. TWO APPENDIXES: 1) SET THRESHOLDS FOR CHEMICAL SUBSTANCES IN DRINKING WATER AND 2) DESCRIBE THE PROCEDURES FOR MICROBIOLOGICAL AND CHEMICAL ANALYSIS OF THE WATER. THE LAW ENTERS FORCE ONE YEAR AFTER PROMULGATION.

GERMANY,FED REP OF "WATER AND WASTEWATER PROBLEMS IN MODERN TEXTILE FINISHING PLANTS."
ENVIRONMENT CANADA TRANSLATION OOENV TR-954
STIEBERT, ARTHUR

EPA
SE( ) ENGLISH 00/00/75 PGS 1-35 ID# 03500A
ALSO PMB, LRB AND ST

PROBLEMS INVOLVING WATER SUPPLY, WATER QUALITY, AND WASTEWATER DISPOSAL FROM THE VIEWPOINT OF THE TEXTILE MANUFACTURER ARE EXAMINED IN THIS REPORT. MEANS THE TEXTILE MANUFACTURER MUST TAKE TO OBTAIN AND IMPROVE FRESH WATER FOR TEXTILE PROCESSES ARE HIGHLIGHTED, AND THE LEGAL, SOCIOECONOMIC AND TECHNOLOGICAL ASPECTS OF WASTEWATER AND SLUDGE REMOVAL FROM TEXTILE PLANTS ARE REVIEWED IN SOME DETAIL. SEEKING TO DEFINE SUITABLE ALTERNATIVES FOR THE BEST BALANCE BETWEEN ENVIRONMENTAL AND PRODUCTION FACTORS, THE REPORT EMPHASIZES THAT ENVIRONMENTAL CONSIDERATIONS IN THE TEXTILE INDUSTRY ARE CLOSELY ENTWINED AND INTERRELATED AND THAT SOLUTIONS TO ENVIRONMENTAL PROBLEMS IN THE INDUSTRY MUST BE APPROACHED NOT ONLY IN THE FACTORY AND IN THE PLANNING STAGES OF THE FACTORY, BUT ALSO BY ACCOUNTING FOR THE INDIVIDUAL CHARACTERISTICS OF EACH FACTORY AND ITS SURROUNDING ENVIRONMENT, THEREBY PRECLUDING ANY STANDARDIZED, DOGMATIC APPROACH TO THE PROBLEM. (GERMAN ORIGINAL IN MELLIAND TEXTILBERICHTE, VOL. 54, 1973, PP. 864-70.)

GREAT BRITAIN

AN ENVIRONMENTAL APPRAISAL OF THE SEVERN BARRAGE
SHAW, T. L., ED.
ST( )
ENGLISH 10/00/75 PGS 1-115 EPA ID# 03496A
ALSO PMB

THIS REPORT, HANDLING SOME OF THE QUESTIONS RAISED ABOUT THE EFFECT ON THE ENVIRONMENT OF BARRAGE CONSTRUCTION, HAS DEVELOPED FROM THE SEVERN ESTUARY COMMITTEE'S EFFORTS TO COLLECT WORKS ABOUT INVESTIGATIONS OF THE DEVELOPMENT AND USE OF THE ESTUARY. CERTAIN OF THE TWELVE INDIVIDUALLY AUTHORED CHAPTERS DEAL WITH: SEDIMENT DYNAMICS IN THE ESTUARY, DRAINAGE AND LAND QUALITY, POSSIBLE BIOLOGICAL EFFECTS OF THE BARRAGE, AND POLLUTION. THE BOOK'S PREFACE WAS WRITTEN BY THE CHAIRMAN OF THE SEVERN ESTUARY JOINT COMMITTEE.

INTERNATIONAL

"CLEAN UP THE RHINE?" LE MONDE
AMBROISE-RENDU, MARC
PH(B)
FRENCH 04/03/76 PGS 27 EPA ID# 03497A
TOXIC SUBS

MEETING IN PARIS TO SEEK A SOLUTION TO THE POLLUTION OF THE RHINE, THE ENVIRONMENT MINISTERS OF FRANCE, WEST GERMANY, THE NETHERLANDS, SWITZERLAND AND LUXEMBURG REACHED AN AGREEMENT ON APRIL 1 REGARDING THE DISCHARGES OF CHEMICAL SUBSTANCES. THIS MINISTERIAL CONFERENCE, THE THIRD SINCE THE CREATION OF THE INTERNATIONAL COMMISSION FOR THE PROTECTION OF THE RHINE IN 1963, WAS SUCCESSFUL IN ESTABLISHING TWO LISTS OF TOXIC SUBSTANCES WHOSE DISCHARGES ARE TO BE REGULATED. A FIRST LIST INCLUDES NON-BIODEGRADABLE TOXIC PRODUCTS TO BE STRICTLY RESTRICTED OR BANNED, WHILE A SECOND LIST COVERS LESS DANGEROUS SUBSTANCES TO BE LIMITED FOR THE ATTAINMENT OF MORE DESIRABLE WATER QUALITY OBJECTIVES. A NUMBER OF SOLUTIONS TO THE PROBLEM OF SALINE POLLUTION WERE ALSO DISCUSSED. ADOPTION OF ANY ONE OF THE PROJECTS, HOWEVER, WHICH IS CONTINGENT ON THE ACCEPTANCE OF AN INTERNATIONAL FINANCING PLAN, WAS POSTPONED TO THE MONTH OF MAY WHEN A NEW MEETING IS SCHEDULED.

LIBYA

"DEC. 13, 1973 HEALTH LAW." AL-JARIDAH AL-RASMIYAH, VOL. 12, NO. 6
LR(A)
ARABIC 02/18/74 PGS 188-240 EPA ID# 03519A
*GENERAL RADIATION

PHILIPPINES

"MAY 25, 1973 PRESIDENTIAL DECREE NO. 198 (PROVINCIAL WATER UTILITIES ACT OF 1973)." PRESIDENTIAL DECREES, 1973

LR(A) ENGLISH 00/00/74 PGS 792-811 EPA ID# 03549A

IN VIEW OF THE EXISTING SHORTCOMINGS OF WATER SUPPLY AND SEWAGE SERVICES IN MANY AREAS OF THE PHILIPPINE ISLANDS, THIS PRESIDENTIAL DECREE, KNOWN AS THE PROVINCIAL WATER UTILITIES ACT OF 1973, SETS FORTH A NATIONAL POLICY OF HIGH PRIORITY "FAVORING LOCAL OPERATION AND CONTROL OF WATER SYSTEMS; AUTHORIZING THE FORMATION OF LOCAL WATER DISTRICTS AND PROVIDING FOR THE GOVERNMENT AND ADMINISTRATION OF SUCH DISTRICTS; CHARTERING A NATIONAL ADMINISTRATION TO FACILITATE IMPROVEMENT OF LOCAL WATER UTILITIES; GRANTING SAID ADMINISTRATION SUCH POWERS AS ARE NECESSARY TO OPTIMIZE PUBLIC SERVICE FROM WATER UTILITY OPERATIONS; AND FOR OTHER PURPOSES." THE FORMATION, POWERS AND DUTIES, ORGANIZATIONAL STRUCTURE, AND FINANCIAL AND REVENUE PROVISIONS OF THE LOCAL WATER DISTRICTS AND BOARDS ARE DELINEATED IN PART II OF THE ACT, AND THE ATTRIBUTES OF THE LOCAL WATER UTILITIES ADMINISTRATION AS PART OF THE NATIONAL ECONOMIC AND DEVELOPMENT AUTHORITY ARE OUTLINED IN PART III. THE ACT FIRST APPEARED IN THE OFFICAL GAZETTE, JUNE 11, 1973.

SWEDEN

PLANNING SWEDEN: REGIONAL DEVELOPMENT AND MANAGEMENT OF LAND AND WATER RESOURCES
SWEDEN. MINISTRY OF LABOR AND HOUSING/PHYSICAL PLANNING
PM(B) ENGLISH 00/00/73 PGS 1-142 EPA ID# 03527A
ALSO LRB
*LAND USE

SWEDEN

BOTTENFAUNAN IN ASFJORDEN, VANERN REGIONAL VARIATION OCH PABORJAD ATERHAMTNING (THE BOTTOM FAUNA IN ASFJORDEN, LAKE VANERN REGIONAL VARIATION AND INITIAL RECOVERY)
WIEDERHOLM, TORGNY
PM(B) SWEDISH 11/00/75 PGS 1-20 EPA ID# 03528A
ALSO ST

DUE TO WASTEWATER FROM THE PULP INDUSTRY, A 1973 STUDY OF ASFJORDEN SHOWED THAT THE ANNUAL LOADING OF ORGANIC MATERIAL, PHOSPHORUS AND TOTAL NITROGEN AMOUNTED TO 39,000 (BS7), 100 AND 1,300 TONS RESPECTIVELY. THIS LOADING WAS REDUCED BY 50, 32 AND 13 PERCENT RESPECTIVELY WHEN ONE OF THE WORST POLLUTING PLANTS WAS CLOSED DOWN IN 1974. IN 1975, ANOTHER STUDY, WHICH IS DESCRIBED IN THIS BOOKLET, SHOWED THAT ALTHOUGH THE BOTTOM FAUNA IN THE WHOLE FJORD IS STILL AFFECTED BY POLLUTION, SEVERAL FACTORS INDICATE THAT THE ENVIRONMENTAL CONDITIONS HAVE IMPROVED. THE DIVERSITY AND ABUNDANCE OF THE BOTTOM FAUNA HAS INCREASED WITH THE EXCEPTION OF SOME SPECIES WHICH THRIVE IN POLLUTED WATERS IN WHICH CASE THE SITUATION IS REVERSED. THE OBSERVED CHANGES CORRELATE DIRECTLY WITH THE DECREASED POLLUTION LOAD.

WATER

SWEDEN

BYFJORDEN: KEMISKA UNDERSOKNINGAR (THE BY FJORD: CHEMICAL INVESTIGATIONS)
DANEILSSON, LARS-GORAN, AND OTHERS EPA
PH(B) SWEDISH 11/00/75 PGS 1-85 ID# 03531A

THE BY FJORD IS A POLLUTED FJORD SITUATED ON THE WEST COAST OF SWEDEN. ITS CONTAMINATION DEPENDS PARTLY ON NUTRIENTS RELEASED FROM THE SURROUNDING MUNICIPALITIES AND PARTLY ON THE LIMITED WATER EXCHANGE IN THE FJORD. CHEMICAL MEASUREMENTS HAVE BEEN CARRIED OUT TO CLASSIFY AND STUDY THE FLOW OF NUTRIENTS. OPTICAL MEASUREMENTS HAVE ALSO BEEN CONDUCTED TO DETERMINE THE PARTICLE STRATIFICATION AND HOW FAR DAYLIGHT PENETRATES. DUE TO THE HIGH CONCENTRATION OF PARTICULATE MATTER AND HUMID SUBSTANCE, PHOTOSYNTHESIS TAKES PLACE ONLY IN THE TOP LAYER OF THE FJORD (ABOVE 10 M.) AND LOW VALUES OF TRANSMITTANCE ARE FOUND AS WELL. THIS BOOKLET, WHICH IS ILLUSTRATED WITH A NUMBER OF CHARTS AND GRAPHS LABELED IN ENGLISH, ESTABLISHES THAT THE PRESENT SITUATION IN BY FJORD IS NOT LIKELY TO CHANGE. A REDUCTION OF NUTRIENTS FROM THE SEWAGE TREATMENT PLANT IN THE TOWN OF UDDEVALLA WILL HAVE NO EFFECT AS LONG AS THE REST OF THE MUNICIPALITIES ALONG THE COAST DO NOT FOLLOW SUIT.

* U. S. GOVERNMENT PRINTING OFFICE : 1976—710-803/340

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